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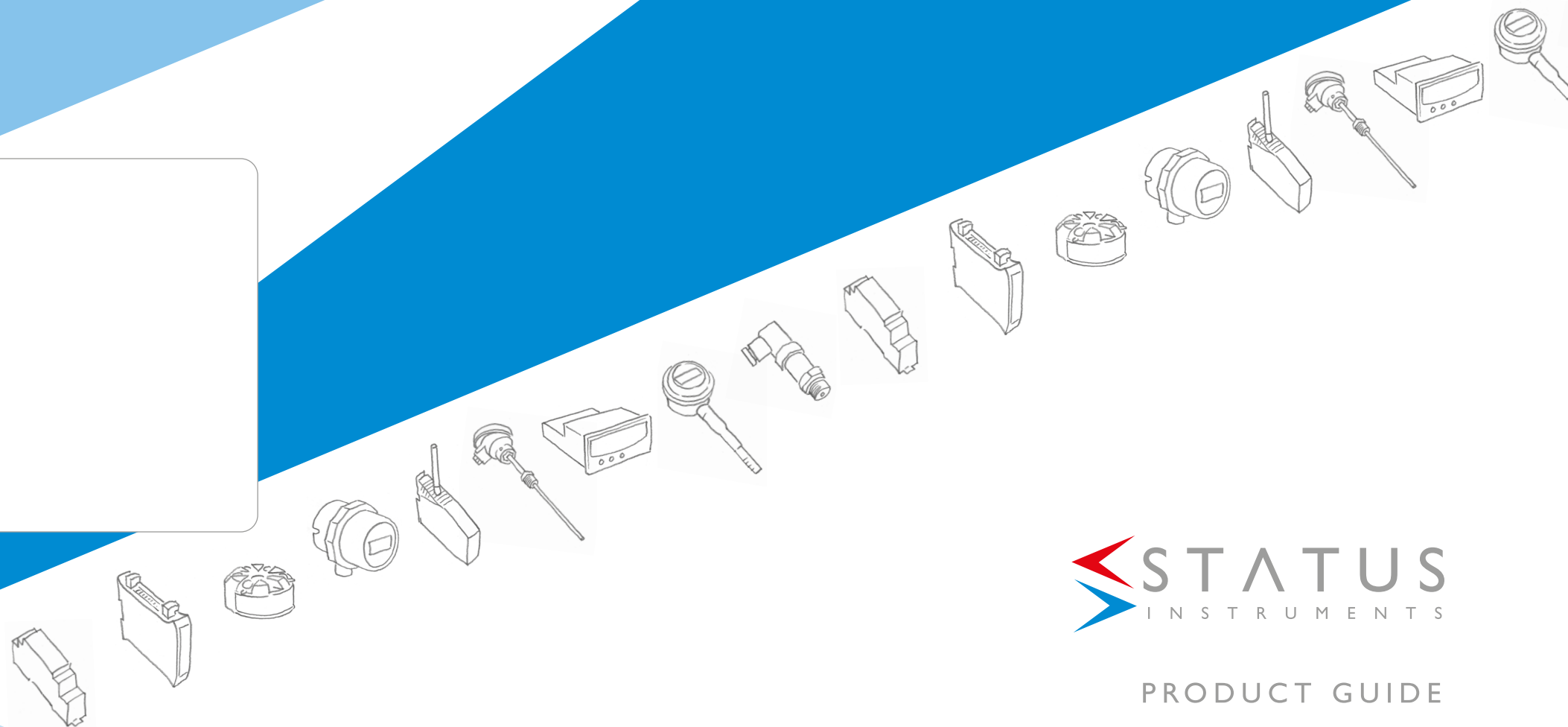
52-715-2170-10



PRODUCT GUIDE

EDITION **XXIV**

www.status.co.uk



Welcome

to the latest Status Instruments Product Guide

Here at Status we've been designing, manufacturing and supplying top-quality process instrumentation for over 40 years - and in that time, we have acquired a following of loyal customers, who return to us year after year, and have come to appreciate our ongoing promise - that what goes into our products is **inspiration, dedication and application** – and what comes out is **performance, reliability and value**.

Quality counts

Quality has always been a priority for us at every level, and we operate a quality system approved to BS EN ISO9001:2015.

Our products also comply with the following accreditations:



Where you'll find us working



Aerospace



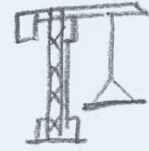
Automation



Automotive



Chemical



Construction



Energy



Food and Beverage



Materials Handling



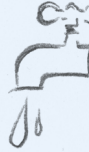
Marine



Oil, Gas and Petrochemical



Pharmaceutical



Water and Waste

Calibration Service

We recommend that all instrumentation should be re-calibrated every 12 months. Please contact us to discuss this further, or visit www.status.co.uk for more details.

Ordering

Please place your order directly with the distributor who sent you this Guide. If you acquired this Guide independently, please contact Status directly, and we will be able to help you.

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Website www.status.co.uk

Sales sales@status.co.uk

Technical support support@status.co.uk

Contents

How to use this Guide

This Product Guide is divided into sections, as listed opposite.

Each section shows what the range has to offer, and the products are then listed individually with their relevant specification details beneath.

If you can't find exactly what you're looking for, or you require something specific that is not listed, please call us and we can discuss custom designs and tailored solutions.

Please note: some sections have been re-ordered for 2024.

Product group	Page	Typical warranty
 Signal conditioning	4	5 years
 In-head transmitters	12	5 years
 In-head transmitters, analogue	16	5 years
 Rail-mounted transmitters	18	5 years
 In-head and DIN-rail transmitters, voltage output	20	5 years
 Temperature transmitters and loop-powered displays	22	5 years
 Temperature transmitters - other packages	24	5 years
 Field-mounted indicators and switches - pressure	26	5 years
 Probe assemblies	28	1 year on sensor
 Humidity and temperature transmitters, indicators and switches	30	5 years 1 year on sensor
 Panel meters	32	5 years
 Wireless transmitters	34	1 year 1 year on sensor
 Field-mounted indicators and switches - pressure	36	5 years
 Pressure transmitters	38	1 year
Versatility of displays	40	
Free apps and software	41	
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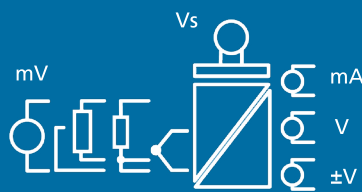


Signal conditioning

SEM
1600T



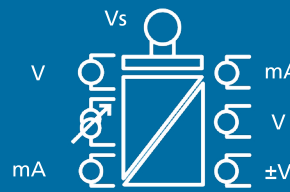
RTD, thermocouple, potentiometer, resistance or mV input.
active / passive mA or voltage output.



SEM
1600VI



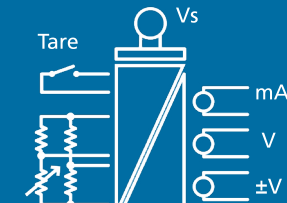
mA / voltage conditioner with active / passive mA or voltage input and outputs.



SEM
1600B



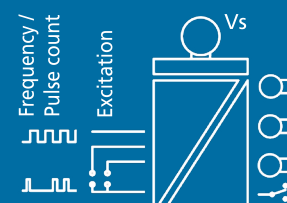
Load cell input signal conditioner with active / passive mA or voltage output.



SEM
1600F



Dual inputs, frequency and pulse counter. Active / passive mA or voltage and relay output.



INPUT

Pt100
RTD other types
Resistance
Potentiometer
Thermocouple

Voltage
Current
Frequency
Pulse counter
Load cell

Yes
Yes
(10 to 10,500) Ω
1 k Ω to 100 k Ω auto sense
K, J, N, E, T, R, S, L, U, B,
C(W5), D(W3), G(W)
(-100 to +200) mV
N/A
N/A
N/A

OUTPUT

See datasheet for full details and specific output combinations

mA - active / passive
Voltage
Bi-polar voltage

GENERAL

Isolation
Output zero/span alignment to input
User offset
User linearisation
Remote reset
Ambient operating
Power supply
Loop power supply
Sensor excitation
Configuration
Totalise
Maths functions
Width

Yes
Yes
Yes
Yes - resistance / potentiometer / mV
N/A
(-30 to +70) $^{\circ}\text{C}$
Universal, (10 to 48) VDC and (10 to 32) VAC
Yes - output
N/A
PC
N/A
N/A
17.5 mm

APPROVALS

EMC / UKCA

EN BS 61326

N/A
N/A
N/A
N/A
N/A
(-50 to +50) VDC
(-50 to +50) mA (active / passive)
N/A
N/A
N/A

mA - active / passive
Voltage
Bi-polar voltage

Yes
Yes
N/A
Yes
N/A
(-30 to +70) $^{\circ}\text{C}$
Universal, (10 to 48) VDC and (10 to 32) VAC
Yes - input and output
N/A
PC
N/A
Flow formulae
17.5 mm

EN BS 61326

N/A
N/A
N/A
N/A
N/A
N/A
N/A
Yes - 4-wire

mA - active / passive
Voltage
Bi-polar voltage

Yes
Yes - push-button
Yes - tare
Yes
Tare
(-30 to +70) $^{\circ}\text{C}$
Universal, (10 to 48) VDC and (10 to 32) VAC
Yes - output
Yes
PC
N/A
N/A
17.5 mm

EN BS 61326

N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
0.01 Hz to 65 kHz
Yes
N/A

mA - active / passive
Voltage
Bi-polar voltage
Pulse (closed contact relay)

Yes
Yes
N/A
K Factor meter correction
Yes
(-30 to +70) $^{\circ}\text{C}$
Universal, (10 to 48) VDC and (10 to 32) VAC
Yes - output
Yes
PC
Yes
Yes
17.5 mm

EN BS 61326

Signal conditioning

SEM
1620



RTD, thermocouple, passive mA, mV input, 3-wire voltage output.

SEM
1630



RTD, thermocouple, passive mA, mV input, with 2 change-over relay outputs.

SEM
1633

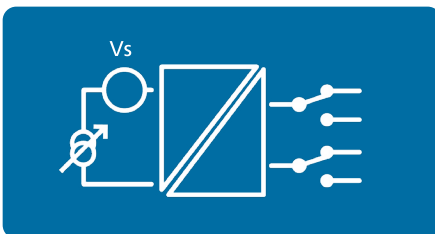
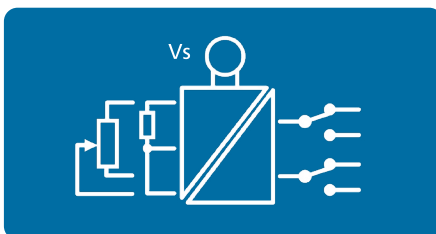
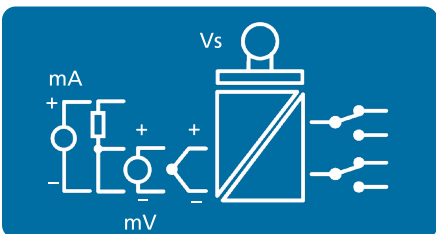
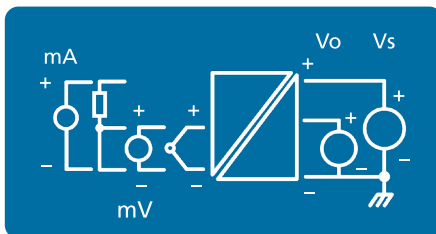


RTD, potentiometer, resistance input, with 2 change-over relay outputs.

SEM
1636



Loop-powered input, with 2 change-over relay outputs.



INPUT

Pt100
RTD other types
Resistance
Potentiometer
Thermocouple
Voltage
Current
Frequency
Pulse counter
Load cell

Yes
N/A
N/A
N/A
K, J, N, E, T, R, S
(-10 to +75) mV
(-10 to +25) mA Passive
N/A
N/A
N/A

OUTPUT

See datasheet for full details and specific output combinations

Voltage - 3 wire

GENERAL

Isolation
Output zero/span alignment to input
User offset
User linearisation
Remote reset
Ambient operating
Power supply
Loop power supply
Sensor excitation
Configuration
Totalise
Maths functions
Width

Yes
Yes
N/A
N/A
N/A
(-30 to +70) °C
(15 to 28) VDC
N/A
N/A
PC
N/A
N/A
17.5 mm

APPROVALS

EMC / UKCA

EN BS 61326

Yes
N/A
N/A
N/A
K, J, N, E, T, R, S
(-10 to +75) mV
(-10 to +25) mA Passive
N/A
N/A
N/A

2 x (250 VAC @ 1A) C/O relay

Yes
N/A
N/A
N/A
N/A
(-30 to +70) °C
24 VDC
N/A
N/A
PC
N/A
N/A
17.5 mm

EN BS 61326

Yes
Yes
(10 to 10,500) Ω
1k Ω to 100 kΩ auto sense
N/A
N/A
N/A
N/A
N/A
N/A

2 x (250 VAC @ 1A) C/O relay

Yes - relays
N/A
N/A
Yes - resistance / potentiometer
N/A
(-30 to +70) °C
Universal, (10 to 48) VDC and (10 to 32) VAC
N/A
N/A
PC
N/A
N/A
17.5 mm

EN BS 61326

N/A
N/A
N/A
N/A
N/A
N/A
N/A
(4 to 20) mA Passive
N/A
N/A
N/A

2 x (250 VAC @ 1A) C/O relay

Yes - relays
N/A
N/A
Yes
N/A
(-30 to +70) °C
(4 to 20) mA loop
N/A
N/A
PC
N/A
Yes - flow formula
17.5 mm

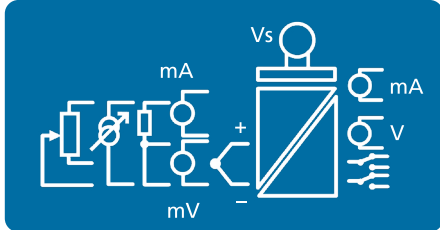
EN BS 61326

Signal conditioning



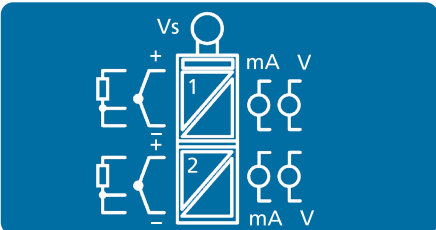
SEM
1700

Universal signal conditioner with current or voltage, and 2 change-over relay outputs.



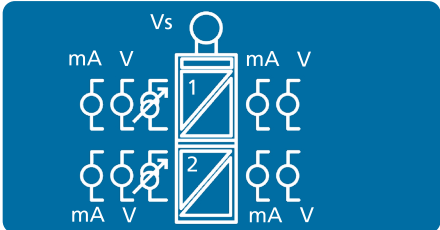
SEM
1720

Dual-channel RTD, thermocouple, potentiometer, mV input with active / passive mA or voltage outputs.



SEM
1750

Dual-channel mA / voltage conditioner with active / passive mA or voltage input and outputs.



INPUT	TYPE
	Pt100
	RTD other types
	Resistance
	Potentiometer
	Thermocouple
	Voltage
	Current
	Frequency
	Pulse Counter
OUTPUT	Load Cell
	See datasheet for full details and specific output combinations
GENERAL	Isolation
	Output zero/span alignment to input
	User offset
	User linearisation
	Remote reset
	Ambient operating
	Power supply
	Loop power supply
	Sensor excitation
	Configuration
	Totalise
	Maths functions
	Width
APPROVALS	EMC / UKCA
	SIL

Single channel
Yes
N/A
(20 to 400) Ω
1 k Ω to 1 M Ω
K, J, N, E, T, R, S, L, U, B, C, D, G
± 50 mV, ± 200 mV, ± 1 V, ± 10 V
± 30 mA (active / passive)
N/A
N/A
N/A
N/A
N/A
mA - active / passive
Voltage
2 x (250 VAC @ 1A) C/O Relay
Yes
Yes - push-button
N/A
N/A
N/A
(-30 to +70) $^{\circ}\text{C}$
Universal, (22 to 300) VDC and (24 to 250) VAC
Input and output
Yes - mA loop
PC - push-button
N/A
N/A
22 mm
EN BS 61326
Yes (see website for more details)

Dual channel
Yes
Yes
N/A
1 k Ω to 100 k Ω auto sense
K, J, N, E, T, R, S, L, U, B, C, D, G
N/A
N/A
N/A
N/A
N/A
N/A
mA - active / passive
Voltage
Optional programmable maths outputs to include average, sum and splitter functions
Yes
N/A
Yes
N/A
(-30 to +70) $^{\circ}\text{C}$
Universal, (22 to 300) VDC and (24 to 250) VAC
Output, both channels
Yes - both channels
PC / DIP switch - pre-set ranges
N/A
Yes
22 mm
EN BS 61326
N/A

Dual channel
N/A
N/A
N/A
N/A
N/A
± 50 VDC
± 50 mA (active / passive)
N/A
N/A
N/A
mA - active / passive
Voltage
Optional programmable maths outputs to include average, sum and splitter functions
Yes
N/A
N/A
(-30 to +70) $^{\circ}\text{C}$
Universal, (22 to 300) VDC and (24 to 250) VAC
Input and output, both channels
Yes - both channels
PC
N/A
Yes
22 mm
EN BS 61326
N/A

Signal conditioning



(4 to 20) mA current loop isolator.



Converts DC voltage to an isolated (4 to 20) mA signal.

NB: may be supplied in previous-style housing



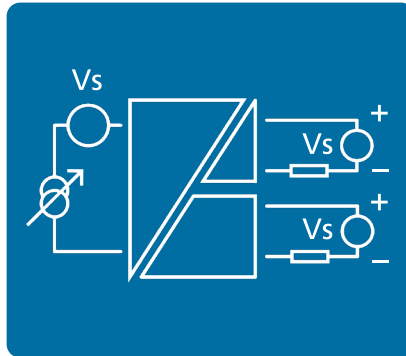
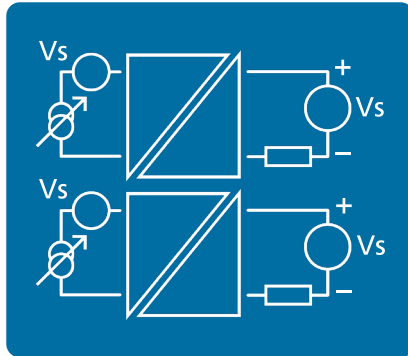
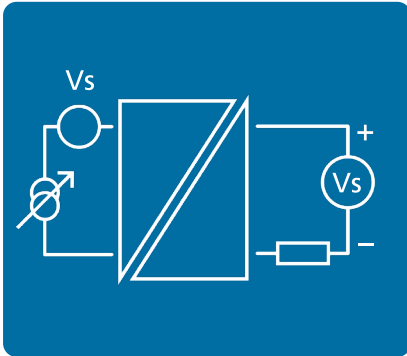
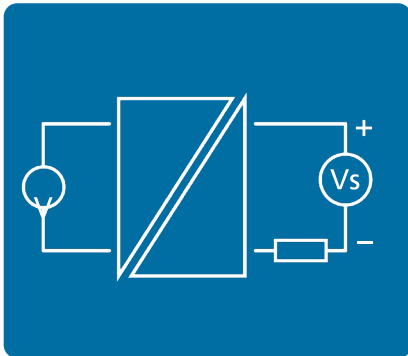
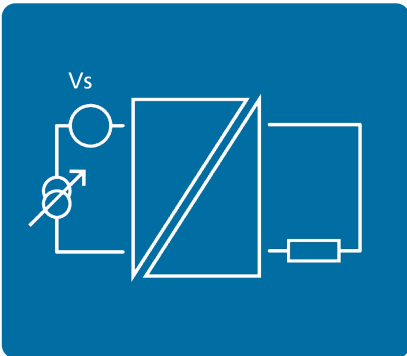
Isolating current loop booster.



(4 to 20) mA current loop isolator.



Isolating current loop splitter.



INPUT	Type	(4 to 20) mA passive	DC voltage	(4 to 20) mA passive	2 x (4 to 20) mA passive	(4 to 20) mA passive
	Range	(4 to 20) mA	Any between (-10 to 100) VDC	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
OUTPUT		(4 to 20) mA active	(4 to 20) mA passive	(4 to 20) mA passive	2 x 2-wire (4 to 20) mA passive	2 x 2-wire (4 to 20) mA passive
GENERAL	Volt drop	Input 5.0 VDC typical	N/A	Input and output 2.7 VDC	Input and output 2.7 VDC	Input and outputs 5.0 VDC
	Maximum loop supply	Input 35 VDC	Output 30 VDC	Input and output 35 VDC	Input and output 35 VDC	Input and output 32 VDC
	Isolation	500 VDC	500 VDC	500 VDC	500 VDC	500 VDC
	Maximum load	Output 500 Ω	N/A	Output 1200 Ω	Output 1200 Ω	Outputs 1200 Ω
	Power supply	Input loop	Output loop	All loops	All loops	All loops
	Ambient operating temperature	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C
	Width	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm
APPROVALS	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

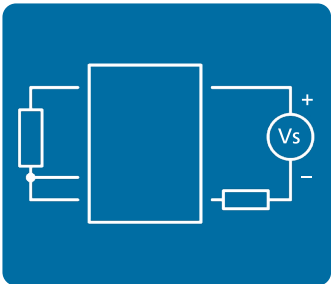
In-head transmitters

(4 to 20) mA output



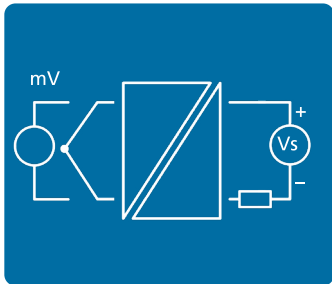
SEM 203P

Pt100 transmitter; push-button configuration.



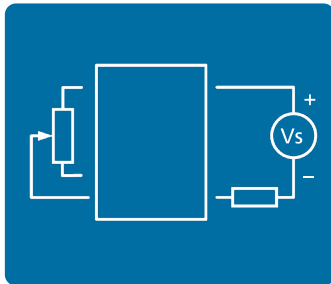
SEM 203TC

Thermocouple transmitter; push-button configuration.



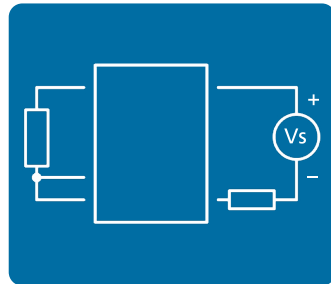
SEM 203W

Potentiometer transmitter; push-button configuration.



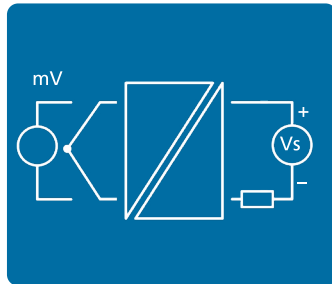
SEM 206P

Pt100 transmitter; PC configuration.



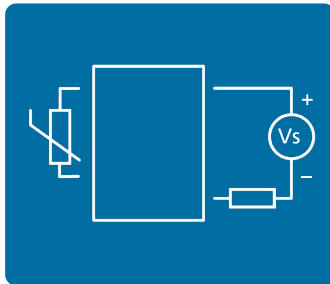
SEM 206TC

Thermocouple transmitter; PC configuration.



SEM 206TH

Thermistor transmitter; PC / push-button



TYPE		In-head	In-head	In-head	In-head	In-head	In-head
INPUT	Pt100	Yes - 2, 3 wire	N/A	N/A	Yes - 2, 3 wire	N/A	N/A
	Other RTD sensors	N/A	N/A	N/A	N/A	N/A	Yes - Pt500, Pt1000
	Resistance	N/A	N/A	N/A	N/A	N/A	N/A
	Potentiometer	N/A	N/A	1 kΩ to 100 kΩ auto sense	N/A	N/A	N/A
	Thermocouple type	N/A	K, J, N, E, T, R, S	N/A	N/A	K, J, N, E, T, R, S	N/A
	Voltage	N/A	(−10 to +70) mV	N/A	N/A	(−10 to +70) mV	N/A
	Current	N/A	N/A	N/A	N/A	N/A	N/A
	Thermistor	N/A	N/A	N/A	N/A	N/A	Yes
OUTPUT		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
GENERAL	Isolation	N/A	Yes	N/A	N/A	Yes	N/A
	Custom linearisation	N/A	N/A	N/A	N/A	N/A	N/A
	Output zero/span alignment to input	Yes - push-button	Yes - push-button	Yes - push-button	N/A	N/A	Yes - push-button
	User offset	N/A	N/A	N/A	Yes	Yes	N/A
	Display	N/A	N/A	N/A	N/A	N/A	N/A
	Ambient operating	(−40 to +85) °C	(−40 to +85) °C	(−40 to +85) °C	(−40 to +85) °C	(−40 to +85) °C	(−40 to +85) °C
	Power supply	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC
APPROVALS	Configuration	Push-button	Push-button	Push-button	PC	PC	Push-button / PC
	Width / diameter	43 mm dia.	43 mm dia.	43 mm dia.	43 mm dia.	43 mm dia.	43 mm dia.
	ATEX	N/A	N/A	N/A	N/A	N/A	N/A
	UKEX	N/A	N/A	N/A	N/A	N/A	N/A
	IEC Ex	N/A	N/A	N/A	N/A	N/A	N/A
	Vibration test	Yes	Yes	N/A	Yes	Yes	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

In-head transmitters

(4 to 20) mA output

INPUT

TYPE

Pt100
Other RTD sensors
Resistance
Potentiometer
Thermocouple type

Voltage
Current
Thermistor

OUTPUT

GENERAL

Isolation
Custom linearisation
Output zero/span alignment to input
User offset
Display
Ambient operating
Power supply
Configuration
Width / diameter

APPROVALS

ATEX
UKEX
IEC Ex
Vibration test
EMC / UKCA
SIL

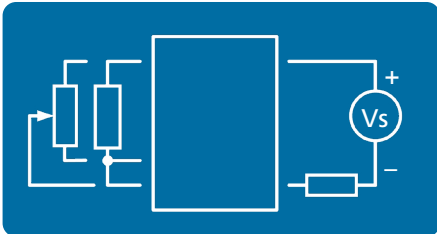
TTR
200



TTR
200X



RTD, potentiometer, resistance transmitter; PC configuration.
IS-approved version: TTR200X.



In-head

Yes - 2, 3 wire
Yes - 2, 3 wire
(10 to 100 k) Ω
1 k Ω to 100 k Ω auto sense
N/A
N/A
N/A
N/A

(4 to 20) mA

No
Resistance / potentiometer
Yes
Yes
N/A
(-40 to +85) °C
(10 to 30) VDC
PC
43 mm dia.

Yes
Yes
Yes
Yes
EN BS 61326
N/A

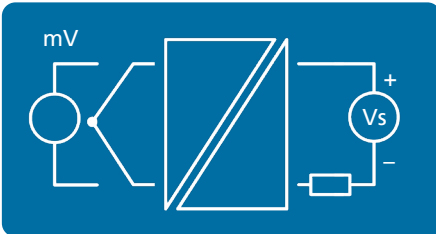
TTC
200



TTC
200X



Thermocouple, mV transmitter; PC configuration.
IS-approved version: TTC200X.



In-head

N/A
N/A
N/A
N/A
K, J, N, E, T, R, S, L, U, B, C, D, G custom
(-100 to +200) mV
N/A
N/A

(4 to 20) mA

Yes
Yes - mV
Yes
Yes
N/A
(-40 to +85) °C
(10 to 30) VDC
PC
43 mm dia.

Yes
Yes
Yes
Yes
EN BS 61326
N/A

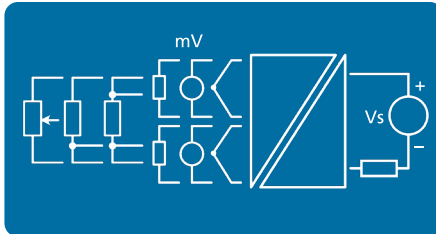
SEM
210 MKII



SEM
210X MKII



RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.
IS-approved version: SEM210X.



In-head, dual input

Yes - 2, 3, 4 wire
Yes - 2, 3, 4 wire
(10 to 10,500) Ω
1 k Ω to 100 k Ω auto sense
K, J, N, E, T, R, S, L, U, B, C, D, G custom
(-1000 to +1000) mV
N/A
N/A

(4 to 20) mA

Yes
Yes
Yes
Yes
N/A
(-40 to +85) °C
(10 to 30) VDC
PC
44 mm dia.

Yes
Yes
Yes
Yes
EN BS 61326
Yes (see website for more details)

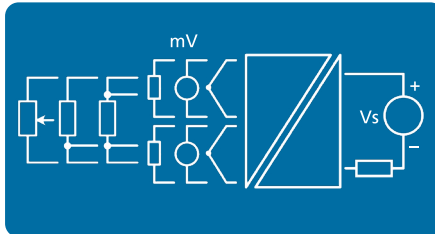
SEM
310 MKII



SEM
310X MKII



HART 5,6,7 compatible RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.
IS-approved version: SEM310X.



In-head, dual input

Yes - 2, 3, 4 wire
Yes - 2, 3, 4 wire
(10 to 10,500) Ω
1 k Ω to 100 k Ω auto sense
K, J, N, E, T, R, S, L, U, B, C, D, G custom
(-1000 to +1000) mV
N/A
N/A

(4 to 20) mA HART

Yes
Yes
Yes
Yes
N/A
(-40 to +85) °C
(10 to 30) VDC
PC and HART configurator
44 mm dia.

Yes
Yes
Yes
Yes
EN BS 61326
Yes (see website for more details)

In-head transmitters, analogue

(4 to 20) mA output

for applications that require a rapid response



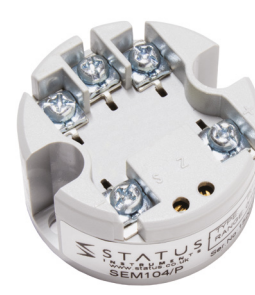
SEM 110P

High-accuracy analogue (4 to 20) mA Pt100 transmitter.



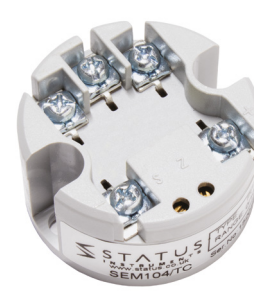
SEM 110TC

High-accuracy analogue (4 to 20) mA thermocouple transmitter.



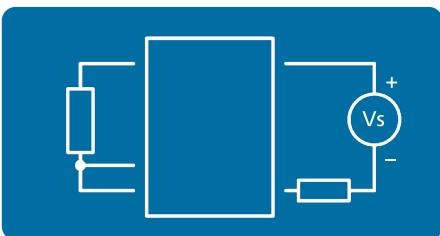
SEM 104P

Analogue (4 to 20) mA Pt100 transmitter.

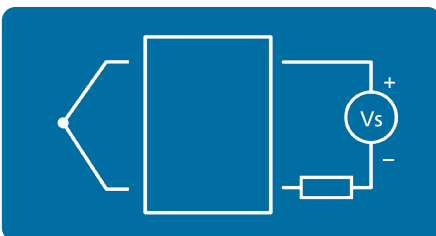


SEM 104TC

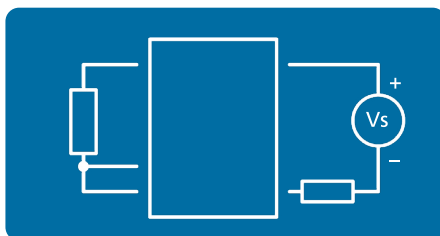
Analogue (4 to 20) mA thermocouple transmitter.



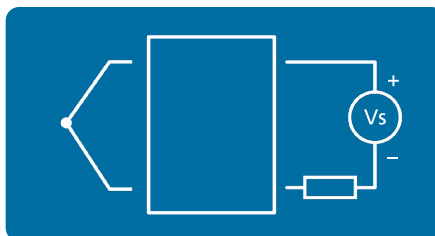
In-head



In-head



In-head



In-head

INPUT	TYPE	In-head	In-head	In-head	In-head
	Pt100	Yes - 2, 3 wire	N/A	Yes - 2, 3 wire	N/A
	Pt100 difference	Option D	N/A	N/A	N/A
	Resistance	Option Z	N/A	N/A	N/A
	Potentiometer	Option W	N/A	N/A	N/A
	Thermocouple type	N/A	K, J, T, R, S	N/A	K, J, T
Voltage	N/A	N/A	N/A	(-10 to +70) mV	
OUTPUT		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA
GENERAL	Output zero/span alignment to input	Yes - potentiometer	Yes - potentiometer	Yes - potentiometer	Yes - potentiometer
	User offset	N/A	N/A	N/A	N/A
	Display	N/A	N/A	N/A	N/A
	Ambient operating	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C	(0 to +70) °C
	Power supply	(10 to 45) VDC	(10 to 45) VDC	(10 to 30) VDC	(10 to 30) VDC
	Configuration	Factory-set	Factory-set	Solder link / potentiometer	Solder link / potentiometer
Width / diameter	53 mm dia.	53 mm dia.	43 mm dia.	43 mm dia.	
APPROVALS	ATEX	Yes	Yes	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Rail-mounted transmitters



SEM 1605P Pt100 transmitter; PC configuration.

SEM 1605TC Thermocouple transmitter; PC configuration.

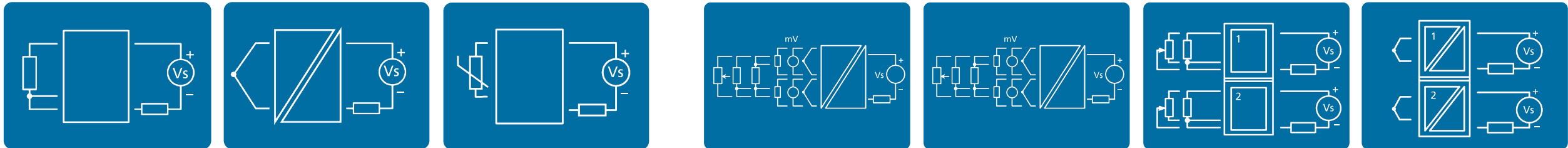
SEM 1605TH Thermistor transmitter; PC configuration.

SEM 1615 RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.

SEM 315 MKII HART 5,6,7 compatible RTD, thermocouple, potentiometer, resistance, mV transmitter; PC configuration.

SEM 1801/2XR RTD, potentiometer, resistance transmitter; PC configuration. IS-approved.

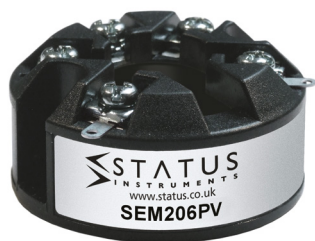
SEM 1801/2XTC Thermocouple transmitter; PC configuration. IS-approved.



TYPE		Single channel	Single channel	Single channel	Dual input	Dual input	Single or dual channel	Single or dual channel
INPUT	Pt100	Yes - 2, 3 wire	N/A	N/A	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire	Yes - 2, 3 wire	N/A
	Other RTD sensors	Yes	N/A	Yes - Pt500, Pt1000	Yes - 2, 3, 4 wire	Yes - 2, 3, 4 wire	Yes - 2, 3 wire	N/A
	Resistance	N/A	N/A	N/A	(10 to 10,500) Ω	(10 to 10,500) Ω	N/A	N/A
	Potentiometer	N/A	N/A	N/A	1 kΩ to 100 kΩ auto sense	1 kΩ to 100 kΩ auto sense	Yes	N/A
	Thermocouple type	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G custom	K, J, N, E, T, R, S, L, U, B, C, D, G custom	N/A	K, J, N, E, T, R, S, L, U, B, C, D, G
	Voltage	N/A	N/A	N/A	(-1000 to +1000) mV	(-1000 to +1000) mV	N/A	(-100 to +200) mV
OUTPUT	Current	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Thermistor	N/A	N/A	Yes	N/A	N/A	N/A	N/A
GENERAL		(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA	(4 to 20) mA HART	(4 to 20) mA	(4 to 20) mA
	Isolation	N/A	Yes	N/A	Yes	Yes	N/A	N/A
	Custom linearisation	N/A	N/A	N/A	Yes	Yes	Yes - resistance / potentiometer	Yes
	Output zero/span alignment to input	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	User offset	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Ambient operating	(-30 to +70) °C	(-30 to +70) °C	(-30 to +70) °C	(-30 to +70) °C	(-30 to +70) °C	(-30 to +70) °C	(-30 to +70) °C
	Power supply	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC	(10 to 30) VDC
	Configuration	PC	PC	PC	PC	PC / HART configurator	PC	PC
APPROVALS	Width	12.5 mm	12.5 mm	12.5 mm	17.5 mm	17.5 mm	22 mm	22 mm
	ATEX	N/A	N/A	N/A	N/A	N/A	Yes	Yes
	UKEX	N/A	N/A	N/A	N/A	N/A	Yes	Yes
	IEC Ex	N/A	N/A	N/A	N/A	N/A	Yes	Yes
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326
	SIL	N/A	N/A	N/A	Yes (see website for more details)	Yes (see website for more details)	N/A	N/A

In-head and DIN-rail temperature transmitters

Voltage output



SEM206PV

Pt100 transmitter; PC configuration.



SEM1605PV

Pt100 transmitter; PC configuration.



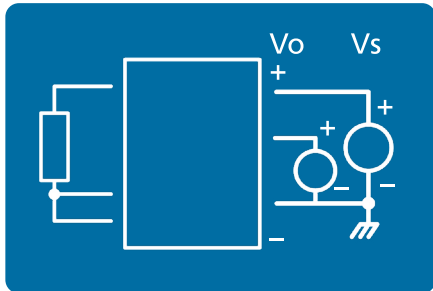
SEM206THV

Thermistor transmitter; PC / push-button configuration.

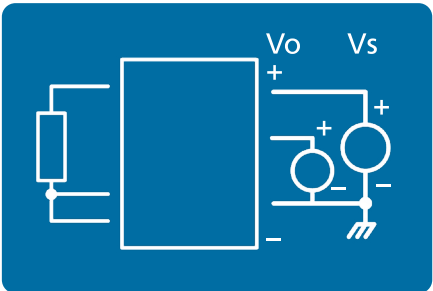


SEM1605THV

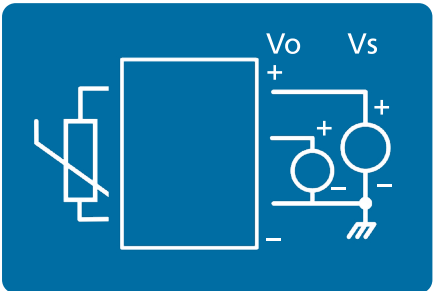
Thermistor transmitter; PC configuration.



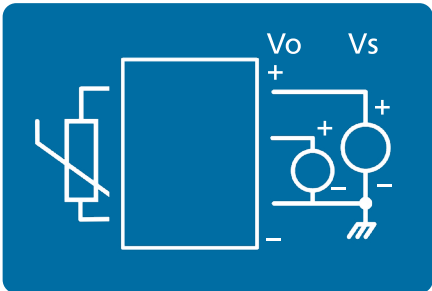
In-head



Single channel



In-head



Single channel

INPUT	TYPE				
	Pt100	Yes - 2, 3 wire	Yes - 2, 3 wire	N/A	N/A
	Other RTD sensors	N/A	Yes	Yes - Pt1000, Pt500	Yes - Pt1000, Pt500
	Resistance	N/A	N/A	N/A	N/A
	Potentiometer	N/A	N/A	N/A	N/A
	Thermocouple type	N/A	N/A	N/A	N/A
	Voltage	N/A	N/A	N/A	N/A
	Current	N/A	N/A	N/A	N/A
	Thermistor	N/A	N/A	Yes	Yes
OUTPUT		Voltage (0 to 10) V	Voltage (0 to 10) V	Voltage (0 to 10) V	Voltage (0 to 10) V
GENERAL	Isolation	N/A	N/A	N/A	N/A
	Custom linearisation	N/A	N/A	N/A	N/A
	Output zero/span alignment to input	N/A	Yes	N/A	Yes
	User offset	Yes	Yes	Yes	Yes
	Display	N/A	N/A	N/A	N/A
	Ambient operating	(-40 to +85) °C	(-30 to +70) °C	(-40 to +85) °C	(-30 to +70) °C
	Power supply	(15 to 30) VDC	(15 to 30) VDC	(15 to 30) VDC	(15 to 30) VDC
	Configuration	PC	PC	PC	PC
APPROVALS	Width / diameter	43 mm dia.	12.5 mm	43 mm dia.	12.5 mm
	ATEX	N/A	N/A	N/A	N/A
	UKEX	N/A	N/A	N/A	N/A
	IEC Ex	N/A	N/A	N/A	N/A
	Vibration test	N/A	N/A	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326	EN BS 61326	EN BS 61326

Temperature transmitters and loop-powered displays

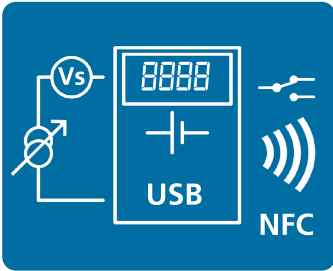
DM650LP could be used with in-head transmitters or an existing loop.

Please also see DM720 for compact panel-mount option (see page 34).



DM 650LP

(4 to 20) mA loop-powered LCD process indicator with relay and datalogging, and optional battery back-up.



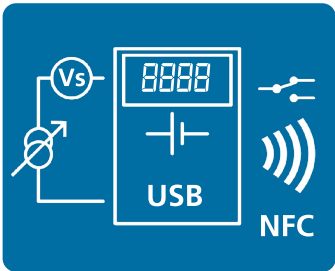
Sensor / surface mount

Pt100	N/A
Thermocouple	N/A
Pressure and media temperature	N/A
Humidity and media temperature	N/A
Current	(4 to 20) mA loop
Voltage	N/A
Linearisation / offset	Both



DM 650LP/55

(4 to 20) mA loop-powered LCD process indicator with relay and datalogging, and optional battery back-up.



Sensor / surface mount

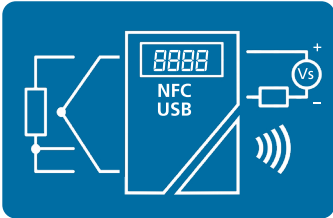
Pt100	N/A
Thermocouple	N/A
Pressure and media temperature	N/A
Humidity and media temperature	N/A
Current	(4 to 20) mA loop
Voltage	N/A
Linearisation / offset	Both

All-in-one transmitter and display



SEM 710TM

Head-mounted RTD, thermocouple transmitter with integrated LCD display. PC configuration.



In-head (SCH4) Sensor / surface mount

Pt100	Yes - 2, 3 wire
Other RTD sensors	Yes - 2, 3 wire
Resistance	N/A
Potentiometer	N/A
Thermocouple type	K, J, N, E, T, R, S, B
Voltage	N/A
Current	(0 to 25) mA
Thermistor	N/A

(0 to 23) mA Sense

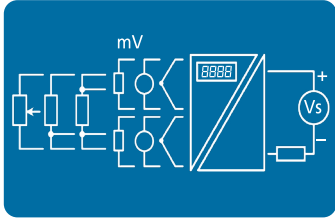
Isolation	Yes
Custom linearisation	Yes - mA
Output zero/span alignment to input	N/A
User offset	Yes - temp
Display	6-digit LCD (7.9 mm)
Ambient operating	(-20 to +70) °C
Power supply	(15 to 30) VDC
Configuration	PC / push-button / NFC
Data download	Datalogging via NFC / USB
Dimensions	(see datasheet)

ATEX	N/A
UKEX	N/A
IEC Ex	N/A
EMC / UKCA	EN BS 61326
SIL	N/A



SEM 320/55

Head-mounted universal dual input transmitter, with HART 5, 6, 7 and integrated LCD display. PC configuration.



In-head, dual input (SCH55) Sensor / surface mount

Pt100	Yes - 2, 3, 4 wire
Other RTD sensors	Yes - 2, 3, 4 wire
Resistance	(10 to 10,500) Ω
Potentiometer	1 kΩ to 100 kΩ auto sense
Thermocouple type	K, J, N, E, T, R, S, L, U, B, C, D, G custom
Voltage	(-1000 to +1000) mV
Current	N/A
Thermistor	N/A

(4 to 20) mA HART

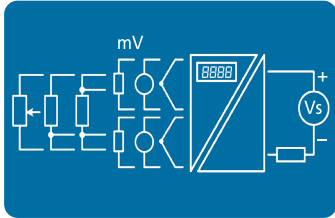
Isolation	Yes
Custom linearisation	Yes
Output zero/span alignment to input	Yes
User offset	Yes
Display	Multifunctional LCD
Ambient operating	(-25 to +85) °C
Power supply	(12 to 30) VDC
Configuration	PC and HART configurator
Data download	N/A
Dimensions	(see datasheet)

ATEX	N/A
UKEX	N/A
IEC Ex	N/A
EMC / UKCA	EN BS 61326
SIL	Yes (see website for more details)



SEM 320X/55

ATEX-approved head-mounted universal dual input transmitter, with HART 5, 6, 7 and integrated LCD display. PC configuration.



In-head, dual input (SCH55) Sensor / surface mount

Pt100	Yes - 2, 3, 4 wire
Other RTD sensors	Yes - 2, 3, 4 wire
Resistance	(10 to 10,500) Ω
Potentiometer	1 kΩ to 100 kΩ auto sense
Thermocouple type	K, J, N, E, T, R, S, L, U, B, C, D, G custom
Voltage	(-1000 to +1000) mV
Current	N/A
Thermistor	N/A

(4 to 20) mA HART

Isolation	Yes
Custom linearisation	Yes
Output zero/span alignment to input	Yes
User offset	Yes
Display	Multifunctional LCD
Ambient operating	(-25 to +85) °C
Power supply	(12 to 30) VDC
Configuration	PC and HART configurator
Data download	N/A
Dimensions	(see datasheet)

ATEX	Yes - Ex ia, Ex D
UKEX	Yes - Ex ia, Ex D
IEC Ex	Yes - Ex ia, Ex D
EMC / UKCA	EN BS 61326
SIL	Yes (see website for more details)

INPUT

OUTPUT

GENERAL

APPROVALS

Mechanical

Pt100
Thermocouple
Pressure and media temperature
Humidity and media temperature
Current
Voltage
Linearisation / offset

Display

Relay
Data download
Custom messaging
Datalogging
Max / min

Ambient operating
Power supply
Battery life
Enclosure
Environmental rating
Configuration

EMC / UKCA
ATEX

INPUT

OUTPUT

GENERAL

APPROVALS

Mechanical

Pt100
Other RTD sensors
Resistance
Potentiometer
Thermocouple type

Voltage
Current
Thermistor

Isolation

Custom linearisation
Output zero/span alignment to input
User offset
Display
Ambient operating
Power supply
Configuration
Data download
Dimensions

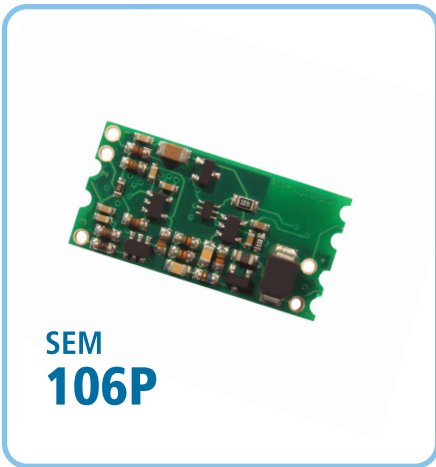
ATEX
UKEX
IEC Ex
EMC / UKCA
SIL

Temperature transmitters

Other packages



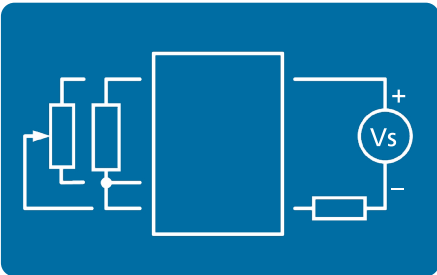
HTR 200/1
MA head-mounted RTD, potentiometer, resistance transmitter.



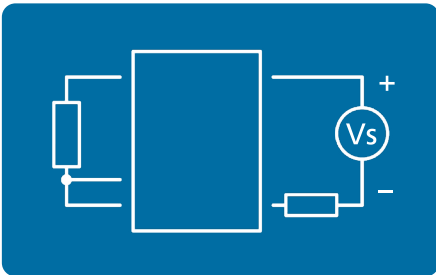
SEM 106P
OEM transmitter - build into your own device.



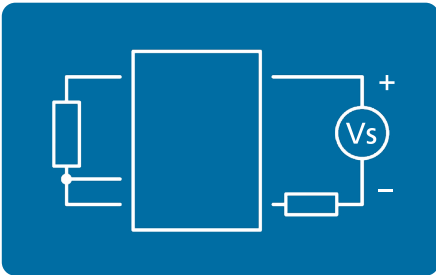
STA 206P
Space-saving 'all-in-one' Pt100 sensor and transmitter.



In-head



PCB Board



In-head

INPUT

TYPE

- Pt100
- Other RTD sensors
- Resistance
- Potentiometer
- Thermocouple type
- Voltage
- Current
- Thermistor

OUTPUT

GENERAL

APPROVALS

- Yes - 2, 3 wire
- Yes - 2, 3 wire
- (10 to 10,500) Ω
- 1 k Ω to 100 k Ω auto sense
- N/A
- N/A
- N/A
- Yes

(4 to 20) mA

- N/A
- Yes - resistance / potentiometer
- Yes
- Yes
- N/A
- (-40 to +85) $^{\circ}\text{C}$
- (10 to 30) VDC
- PC
- (see data sheet)

EN BS 61326

- Yes - 2, 3 wire
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A

(4 to 20) mA

- N/A
- N/A
- N/A
- Yes
- N/A
- (-40 to +85) $^{\circ}\text{C}$
- (10 to 30) VDC
- PC
- 30 x 15 mm

EN BS 61326

- Yes - 2, 3 wire
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A

(4 to 20) mA

- N/A
- N/A
- N/A
- Yes
- N/A
- (-40 to +85) $^{\circ}\text{C}$
- (10 to 30) VDC
- PC
- (see data sheet)

EN BS 61326

Field mounted indicators
and switches

- temperature

The DM650 series has the sensor supplied separately.



DM
650TM

LCD battery-powered Pt100 and thermocouple thermometer, with relay and datalogging.



DM
650XTM

ATEX-approved LCD battery-powered Pt100 and thermocouple thermometer, with relay and datalogging.



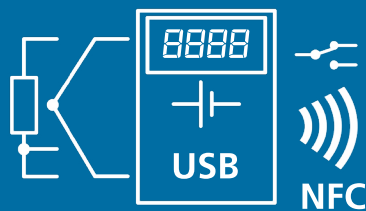
DM
665TM

Large-digit LCD battery-powered Pt100 and thermocouple thermometer.



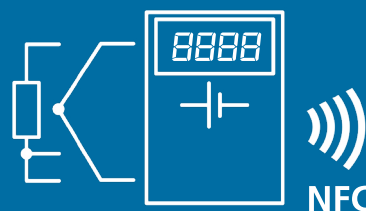
DM
670TM

Large-digit LCD battery-powered Pt100 and thermocouple thermometer, with two relays and datalogging.



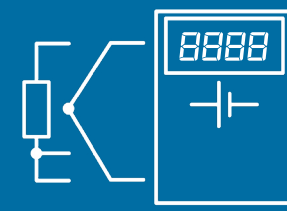
Sensor / surface mount

Yes
K, J, T, R, S, E, L, N, U, B, C, D, G
Yes
Offset



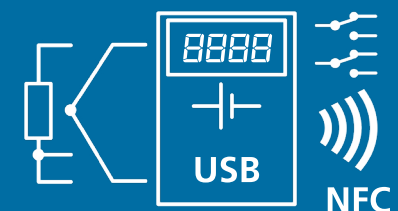
Sensor / surface mount

Yes
K, J, T, R, S, E, L, N, U, B, C, D, G
Yes
Offset



Sensor / surface / panel mount

Yes
K, J, T, R, S, N, E
Yes
Offset



Sensor / surface / panel mount

Yes
K, J, T, R, S, E, L, N, U, B, C, D, G
Yes
Both

INPUT

Mechanical

Pt100
Thermocouple
RTD - other options
Linearisation / offset

OUTPUT

Display
Relay
Data download
Custom messaging
Datalogging
Max / min

GENERAL

Ambient operating
Power supply
Battery life
Enclosure
Environmental rating
Configuration

APPROVALS

ATEX
UKEX
IEC Ex
EMC / UKCA

6-digit LCD (7.9 mm)
Yes - 1 relay
USB / NFC
Yes
Yes - up to 5000 points
Yes - via datalogging

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
USB

N/A
N/A
N/A
EN BS 61326

6-digit LCD (7.9 mm)
N/A
NFC
No
Yes - up to 1500 points
Yes - via datalogging

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
Push-button and NFC (some functions)

Yes
Yes
Yes
EN BS 61326

6-digit LCD (15.8 mm)
N/A
N/A
N/A
N/A
Yes

(-30 to +70) °C
2 x AA 1.5V alkaline, or lithium
2 years typical, depending on battery type
Stainless steel 100mm diameter
IP65
Push-button

N/A
N/A
N/A
EN BS 61326

6-digit LCD (15.8 mm)
Yes - 2 relays
USB / NFC
Yes
Yes - up to 5000 points
Yes, and relay condition

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
Stainless steel 100mm diameter
IP65
USB

N/A
N/A
N/A
EN BS 61326

Probe assemblies



(typical examples)

We pride ourselves on being able to supply probe assemblies for almost any specification.

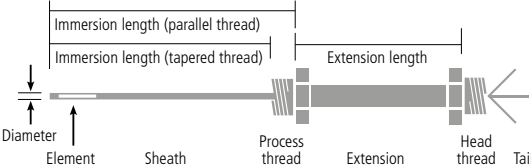
To that end, we have shown here our range of probe styles, in combination with some of our compatible transmitters, heads and thermowells, and other accessories.

Simply follow the left-to-right progression shown at the top of the page to compile your requirement.

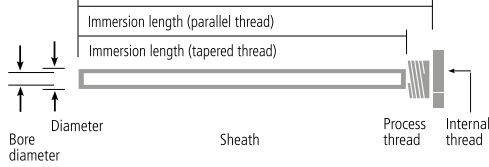
The typical diagrams below show what factors can be specified when ordering probes and thermowells - which include temperature range and immersion depth, but can also accommodate special threads, diameters and other details if required.

If you would like to know more, or discuss a specific requirement, please call our sales team.

Typical probe specification diagram



Typical thermowell specification diagram



Probes



STS
Style 1



STS
Style 2



STS
Style 3



STS
Style 4



STS
Style 5



STS
Style 6



STS
Style 7



STS
Style 8



STS
Style 9



STS
Style 10



STS
Style 11



STS
Style 12

(items shown not necessarily to scale)

Transmitters/Displays

Many will suit; these are just some examples



SEM
210X
In-head range.
See page 15



DM
650TM
Battery-powered
range. See page 26



DM
670TM
Battery-powered
range. See page 27



DM
650LP
Loop-powered
range. See page 22



SEM
710TM
Loop-powered
transmitter with
display. See page 23

Connection blocks



Heads



SCH4
ABS plastic



SCH11
Aluminium
Ask us about
our Ex ia connection heads



SCH15
Stainless steel



SCH55
Stainless steel /
Aluminium
Ex d and Ex ia
We are certified to supply Ex d
and Ex ia probe assemblies



Please note that we also supply
Connection heads with
built-in
displays
Example
shown:
DM650LP/55

Compression glands



Thermowells



STW
Style 1



STW
Style 2



STW
Style 3



STW
Style 4



STW
Style 5



STW
Style 6

Humidity and temperature transmitters, indicators and switches



Cost-effective dual-channel humidity / temperature transmitter. Duct or wall mount.



Dual-channel humidity / temperature transmitter. Duct, wall or remote mount.
Note: replaceable sensors

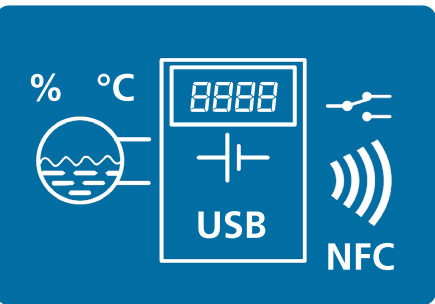
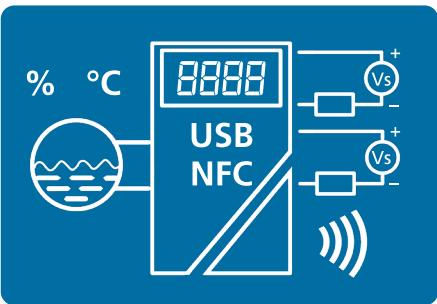
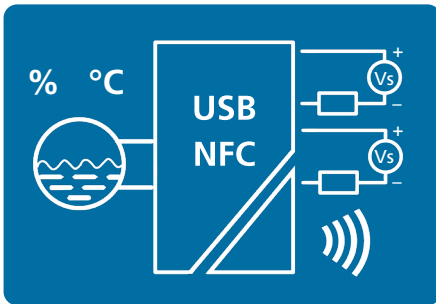
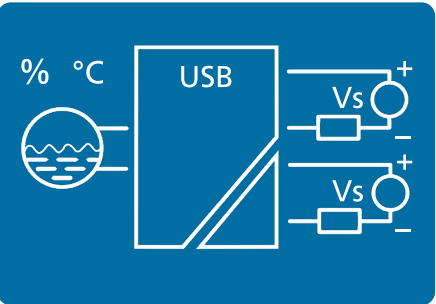


Dual-channel humidity / temperature transmitter with display. Duct, wall or remote mount.
Note: replaceable sensors



LCD battery-powered humidity and temperature indicator, with relay and datalogging.

* Supply voltage (15 to 30) VDC when display fitted.



INPUT

Temperature range

(-30 to +70) °C

Humidity (RH)

(10 to 90) %

BASE ACCURACY

Temperature

±0.5 °C

Humidity (RH)

±3% RH

OUTPUT

Output channels

2 x (4 to 20) mA

Datalogging

N/A

Output choices: Temperature

Default

Humidity

Default

Dewpoint

Programmable

ΔTd - difference between dewpoint temperature and temperature

Programmable

Direct thermistor option

Yes - single channel option only

Data download

N/A

GENERAL

Plug-in sensor

No

Mounting option, cable / sensor length

Wall - 120 mm
Duct - 120, 250 mm

Display

N/A

Configuration

PC

Power supply

(10 to 30) VDC *

Ambient operating temperature (electronics, not sensor)

(-30 to +70) °C

APPROVALS

EMC / UKCA

EN BS 61326

Yes

Wall - 110 mm
Duct - 120, 250 mm

N/A

PC and NFC (some functions)

(10 to 30) VDC *

(-30 to +70) °C

EN BS 61326

Yes

Wall - 110 mm
Duct - 120, 250 mm

6-digit LCD (7.9mm)

PC and NFC (some functions)

(10 to 30) VDC *

(-30 to +70) °C

EN BS 61326

Yes

Wall - 110 mm
Duct - 120, 250 mm

6-digit LCD (7.9mm)

PC and NFC (some functions)

Battery - 3.6V lithium 2 years life typical

(-30 to +70) °C

EN BS 61326

Panel meters

Panel meter housing accessory available



DM 720

Loop-powered panel meter.



DM 3410

Pt100 / Thermocouple 4-digit panel meter with output options.



DM 3420

Current / voltage 4-digit panel meter with output options.



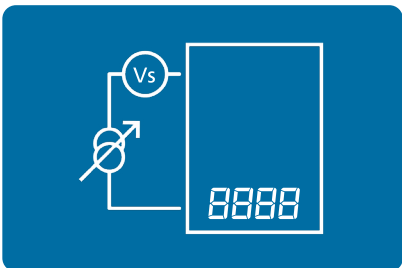
DM 3600U

6-digit universal panel meter.

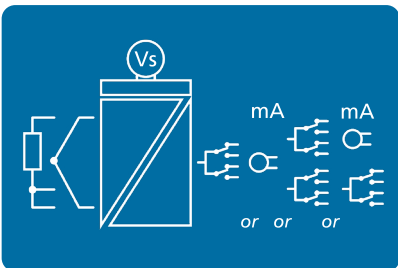


DM 3600A

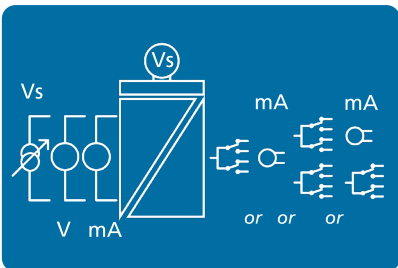
6-digit universal panel meter with rate /totaliser.



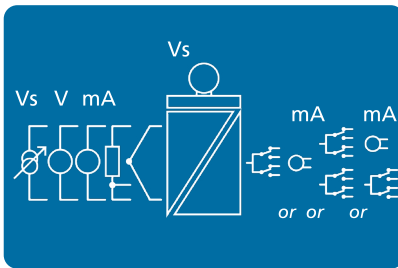
(48 x 24) mm panel mount



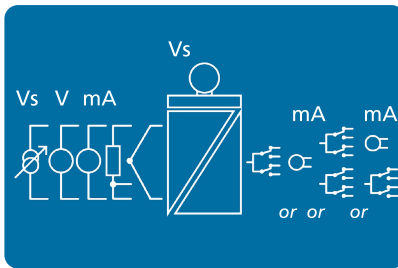
(96 x 48) mm panel mount



(96 x 48) mm panel mount



(96 x 48) mm panel mount



(96 x 48) mm panel mount

Mechanical

Pt100

N/A

Yes

Thermocouple

N/A

K, J, T, R, S, E, L, N. B

Current

Yes (passive)

N/A

Voltage

N/A

N/A

Frequency / pulse

N/A

N/A

Remote digital inputs

N/A

N/A

User linearisation

N/A

N/A

INPUT

OUTPUT

4-digit LED process display

2 x relay (250 VAC @ 5 A) POD
Current (active or passive) POD
4-digit LED process display

See datasheet for full details and specific output combinations

2 x relay (250 VAC @ 5 A) POD
Current (active or passive) POD
4-digit LED process display

2 x relay (250 VAC @ 5 A) POD
Current (active or passive) POD
RS485 Modbus (RJ45)
6-digit LED process display

2 x relay (250 VAC @ 5 A) POD
Current (active or passive) POD
RS485 Modbus (RJ45)
6-digit LED process display

Isolation

N/A

Yes

Display

4-digit LED 10 mm

4-digit LED 14.2 mm

Ambient operating

(-10 to +60) °C

(-30 to +60) °C

Power supply

(4 to 20) mA loop

(20 to 35) VDC **or**
(90 to 253) VAC

Loop power supply

N/A

Output (option)

Sensor excitation

N/A

N/A

Configuration

Push-button

Push-button

Max / min display

N/A

N/A

Comms

N/A

N/A

TFML maths functions

N/A

N/A

GENERAL

APPROVALS

EMC / UKCA

EN BS 61326

EN BS 61326

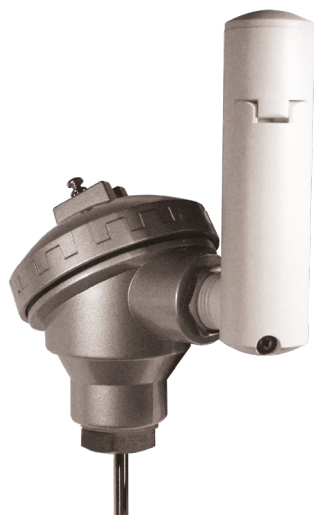
EN BS 61326

EN BS 61326

EN BS 61326

Wireless transmitters

WTX
700



Universal head-mounted wireless transmitter

WRX
900 / 04

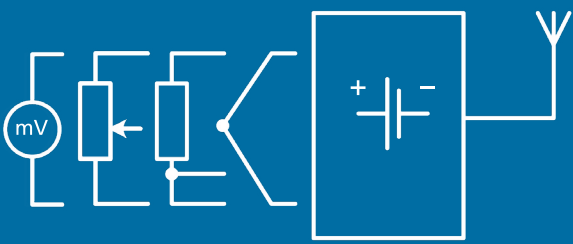


Wireless receiver for up to 16 x WTX700

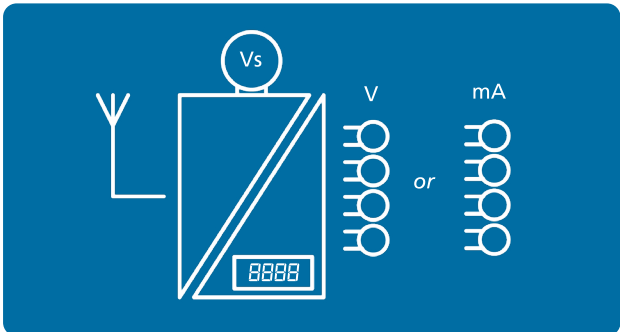
WRX
900 / 22



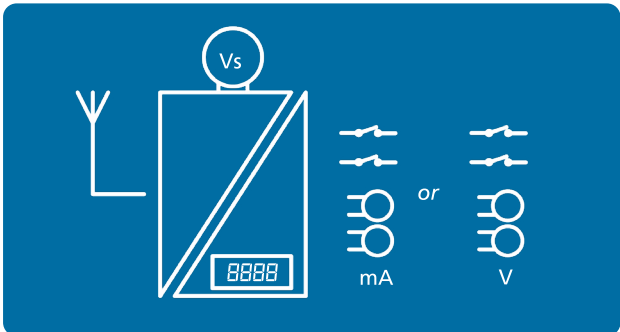
Wireless receiver for up to 16 x WTX700



Head mount in SCH4 or SCH11



DIN rail



DIN rail

INPUT

TYPE

Pt100
RTD options
Potentiometer
Thermocouple
Voltage
Custom linearisation
User offset
Measurement data on ISM band 868.4MHz

Yes
Yes
Up to 10 kΩ autosense
J, K, T, L, U, E, N, S, R, B, C, D
(0 to 50) mV
Yes - set on receiver
Yes - set on receiver
Yes - transmit

OUTPUT

Communication

Measurement data on ISM band 868.4 MHz
N/A

GENERAL

Transmit / receive range
Transmitter / receiver links
Ambient operating
Power supply
Configuration with programming module
Width

300 m line of sight
Links to any number of receivers
(-30 to +70) °C
Battery 3.6V lithium
Configuration kit
(see data sheet)

APPROVALS

EMC / UKCA

EN BS 61326

EN BS 61326

EN BS 61326

Field mounted
indicators
and switches
- pressure

DM
650PM

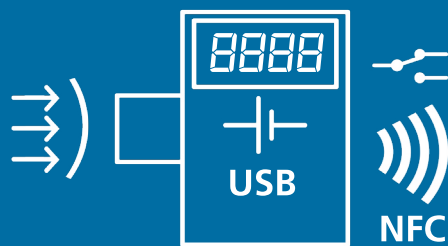


LCD battery-powered pressure and media temperature indicator with relay and datalogging.

DM
670PM

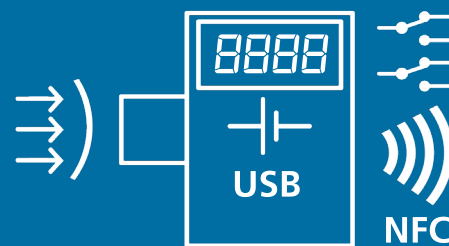


Large-digit LCD battery-powered pressure and media temperature indicator, with two relays and datalogging.



Sensor / surface mount

N/A
N/A
Yes - sensor included, 1/4" BSP thread (adaptors available)
N/A
N/A
N/A
Pressure



Sensor / surface / panel mount

N/A
N/A
Yes - sensor included, 1/4" BSP thread (adaptors available)
N/A
N/A
N/A
Pressure

INPUT

Mechanical

Pt100
Thermocouple
Pressure and media temperature
Humidity and media temperature
Current
Voltage
Linearisation/offset

OUTPUT

Display
Relay
Data download
Custom messaging
Datalogging
Max / min

GENERAL

Ambient operating
Power supply
Battery life
Enclosure
Environmental rating
Configuration

APPROVALS

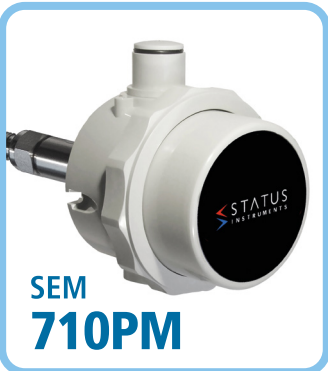
ATEX
EMC / UKCA

N/A
EN BS 61326

N/A
EN BS 61326

Pressure transmitters

Pressure transmitters can be customised with specialised fittings (such as hygienic tri-clamps, flushed diaphragms, etc) including our pressure digital gauges DM650PM and DM670PM (see pages 30 / 31).



Pressure transmitter.



Pressure transmitter with display.



High specification pressure transmitter with ATEX version.



High specification pressure transmitter with ATEX / IECEx version.



High specification liquid level transmitter with ATEX / IECEx version.



High specification corrosive media level transmitter.

PRESSURE	Range options	Range from zero	Other ranges
	Type	Gauge	Absolute Sealed gauge
OUTPUT	2-wire (4 to 20) mA loop-powered	Yes x 2 (temp and pressure)	Yes x 2 (temp and pressure)
	Voltage output	N/A	N/A
	Datalogging	Yes	Yes
	Linearisation	Yes (pressure & process)	Yes (pressure & process)
GENERAL	Standard basic accuracy	See datasheet	See datasheet
	Operating temperature	(-20 to +70) °C	(-20 to +70) °C
	Process temperature	(-40 to +110) °C	(-40 to +110) °C
	Diaphragm material	316 stainless steel	316 stainless steel
	Material of body and process connection	316 stainless steel	316 stainless steel
	Standard seals	Viton	Viton
	Standard cable	N/A	N/A
	Configuration	PC via USB	PC via USB
	Display	N/A	6-digit LCD (7.9mm)
PROCESS CONNECTION	1/4" BSP	Yes	Yes
	1/4" NPT	adaptor	adaptor
	1/2" BSP	adaptor	adaptor
	1/2" BSP flush	adaptor	adaptor
	Other to order	Yes	Yes
	Open or closed ends	N/A	N/A
APPROVALS	ATEX	N/A	N/A
	UKEX	N/A	N/A
	IEC Ex	N/A	N/A
	EMC / UKCA	EN BS 61326	EN BS 61326

The versatility of our displays

Status offer display and mounting solutions for every need, at every level

We will configure and build to your exact requirements - including choice of cap, blanking plugs, and entry ports (½" BSP, M20, M24, M16)

Please note that supplied with the DM650, at no extra cost:

- Relay option.
- Datalogging capability.

Using our DM650 as an example:



SCH4

Here a DM650 is mounted in our standard SCH4 head - a robust ABS plastic enclosure, which is suitable for most purposes.



SCH15

A DM650 is mounted in our SCH15 stainless steel enclosure, when extra strength and protection are needed.

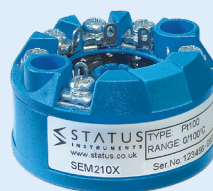


SCH55

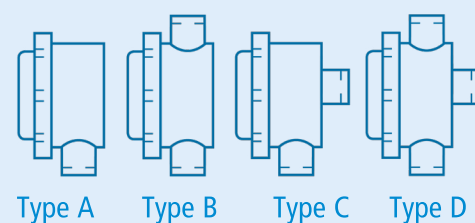
ATEX displays can be used with ATEX transmitters, within approved enclosures like our SCH55, to create cost-effective ATEX assemblies.

Every assembly can function either as a remote battery-powered display, or if combined with one of our in-head transmitters, as a cost-effective loop-powered system.

For our range of in-head transmitters, see pages 12 - 17.



Various entry port combinations can be specified:



Blanking plugs and higher caps are also available.

Further options Check out our all-in-one displays - like the SEM710 or SEM320 - or create solutions using our panel meter range.

Free software and apps

ALL SOFTWARE AND APPS ARE FREE

APPS

Accessing and processing data from Status products couldn't be simpler. Or cheaper.

We offer a comprehensive range of free apps for tablets and smart devices, plus free SpeedLink software for Windows PC.

RTD

RTD Pt100 Converter

converts between Ohms, Pt100, Pt500, Pt1000, °Celsius and °Fahrenheit.

°C °F °K

Temperature Converter

converts temperature readings between °Celsius, °Fahrenheit and °Kelvin.

TC

Thermocouple Converter

converts thermocouple and mV readings between °Celsius, °Fahrenheit and °Kelvin.

Process to signal

Process to Signal

converts a process signal value, in any engineering unit, into a control signal in milliamps, millivolts, or volts. For use in temperature measurement, process control, and signal conditioning.

USB ViewLink

USB ViewLink

using USB on-the-go, ViewLink connects directly to your Status devices, allowing you to view real-time live data, including input and output variables, TAG data and device-specific variables (such as a batch counter for the SEM1600F).

NFC LogLink

NFC LogLink

for use with our DM670/DM650 series to download datalogs, manipulate data, then send via email and to the cloud.

NFC Link

NFC Link

NFC Link is a free configuration utility compatible with the latest products from Status Instruments, allowing users to configure standard parameters for our DM650 and SEM710 instrumentation series. Visit our app shop to read more.

PC

SpeedLink configuration software for Windows PC

Basic and advanced configuration software for Status instrumentation.



- Easy configuration, with the use of drop-down menus
- Quick-connect, for easy recognition of products
- Tools and help screens, to guide you through the process
- Basic and advanced function options in product
- Pre-set selections and custom type areas

Also, check out our **USB LogLink** datalogging software for selected products. See website for details.

Solution overview

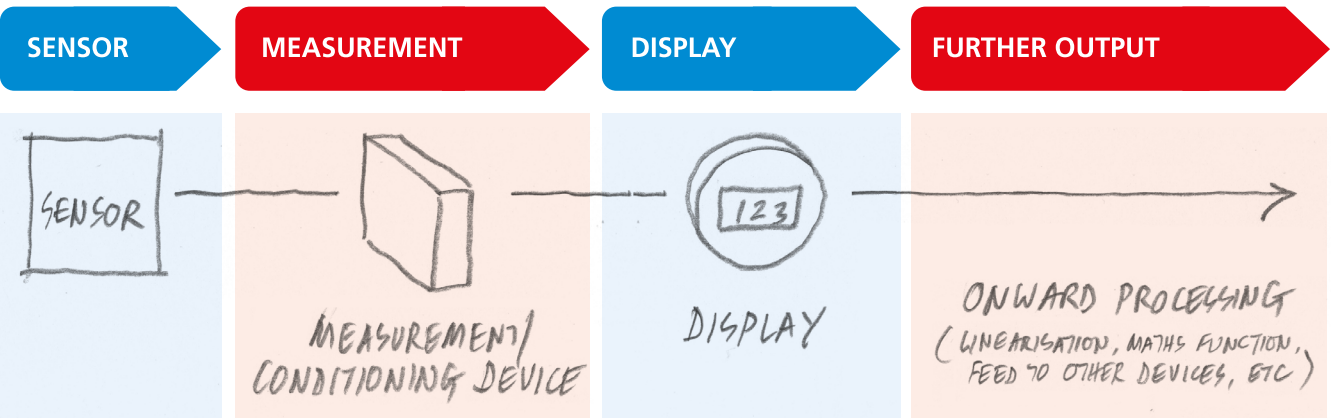
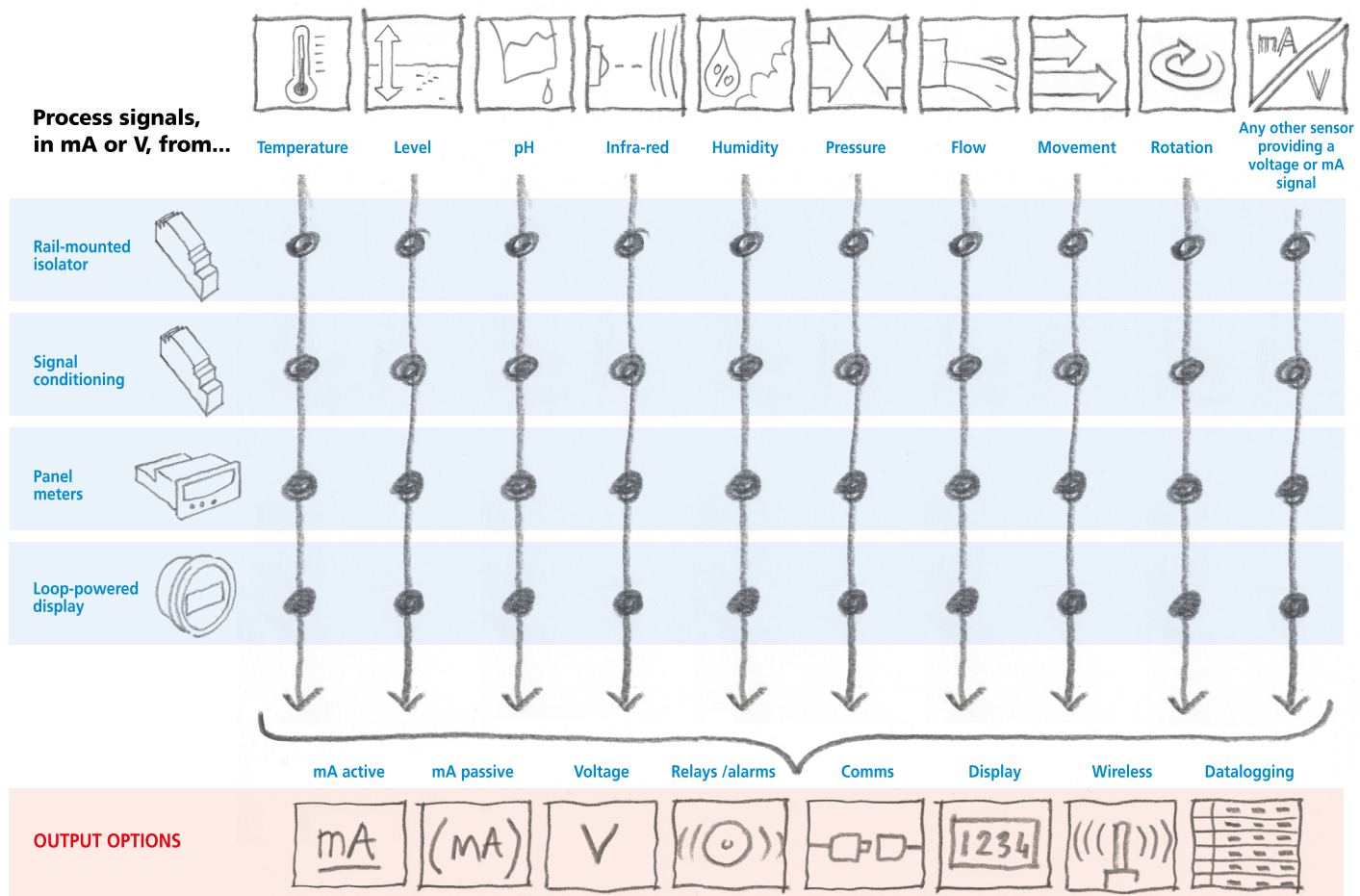
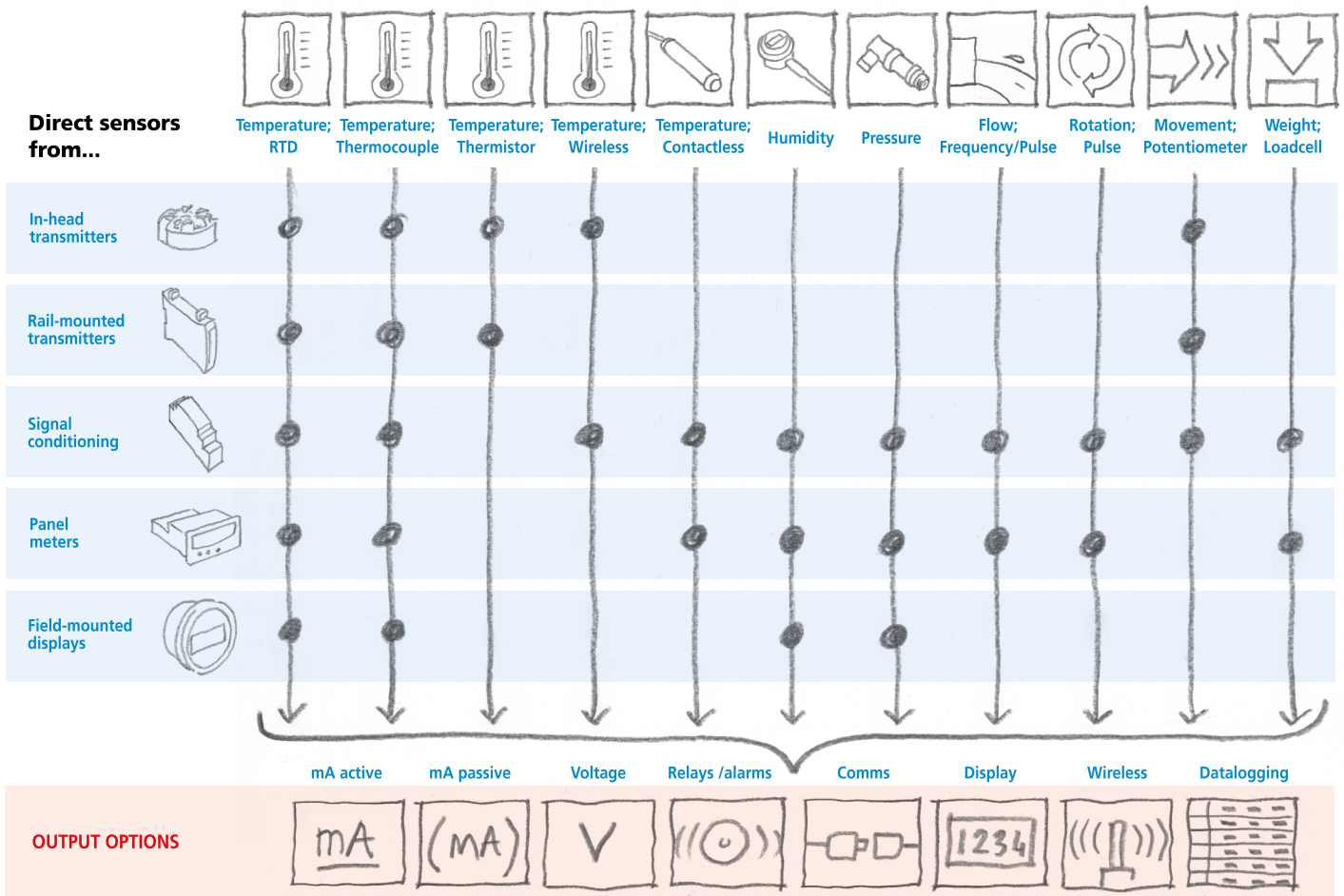
For every application, there is a Status product, and a practical solution.

We pride ourselves on being able to offer the kind of technical support that will help you diagnose opportunities, recognise the optimum solution and specify the appropriate Status products.

Every application contains a series of processes, which we look at as 'journeys', from source to final output.

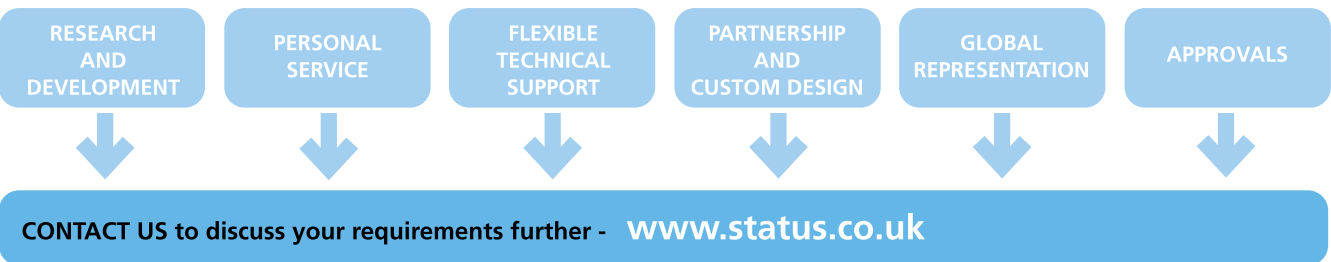
The basic principle is shown below, and opposite we show how Status can help you 'journey' from sensor output (or from any mA or V process signal) to arrive at the outcome you require.

By asking you a series of consultative questions, your needs can be analysed, mapped and assessed, then accommodated with products from the Status range.



We're always there for you

We offer a service that we believe is second to none, with every facility and provision you could ever need. And all you have to do is ask.



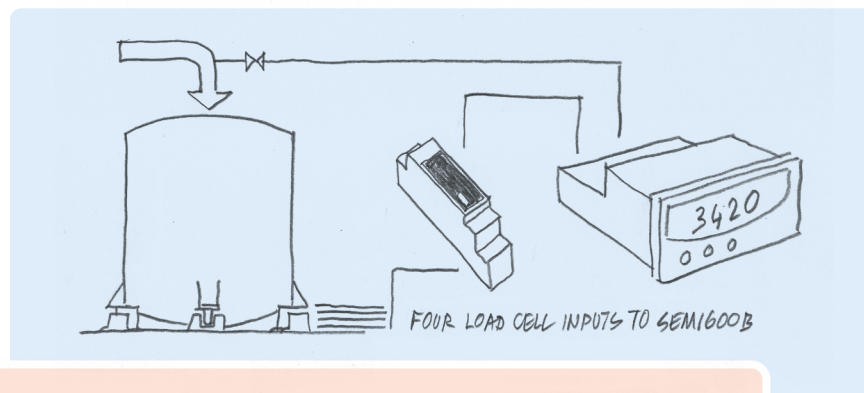
The Application Guide



Industries, environmental conditions and circumstantial factors mean that although many applications for Status products may be broadly similar, they are rarely exactly the same. That's why we've developed a series of **Application Guides**, which not only help you identify the appropriate Status products for your needs, but show you how best to apply and adapt them to your circumstances, so you can retrieve, process and deliver all the data you need, precisely as you need it.

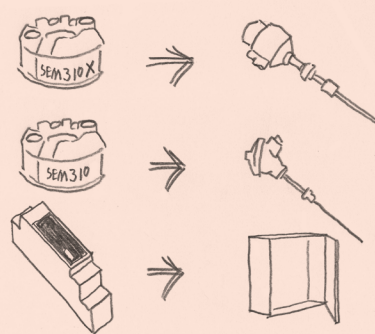
Visit our website to view our **Application Guide resources** - or call us, and we can discuss your requirements, and advise about a range of innovative solutions, that will deliver improved efficiency, real cost savings ... and total peace of mind.

Here are some examples of how our Application Guide can help and inform.



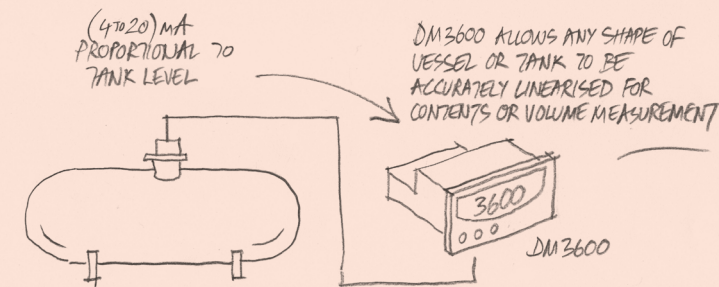
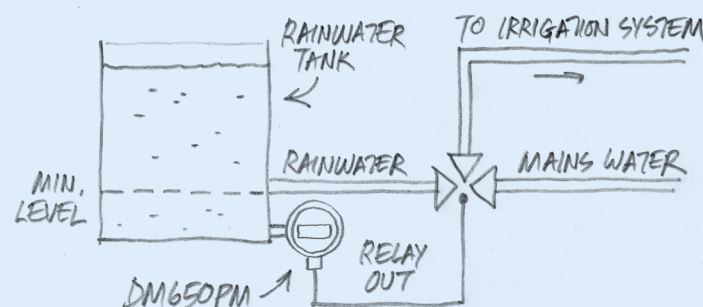
The weight of a tank mounted on 4 loadcells is measured by an SEM1600B, which takes their average output (equivalent to tank weight) and converts this into a voltage or (4 to 20) mA signal – in this example, for the DM3420 to measure as volume.

RTD TEMPERATURE MEASUREMENT
THERMOCOUPLE HIGH TEMPERATURE MEASUREMENT
POTENTIOMETER – ROTATIONAL MOVEMENT
RESISTANCE – LINEAR MOVEMENT

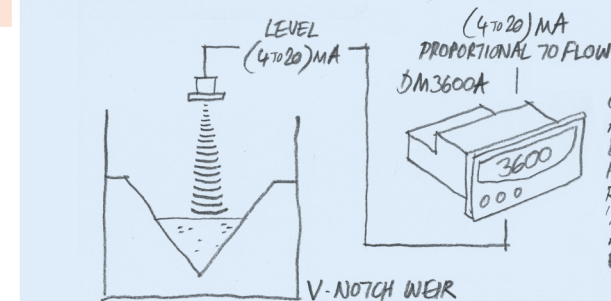


Our in-head transmitter range can accept RTD and thermocouple sensors as well as Ohmic, mV and potentiometer sensors. A sensor calibration function is provided to help minimise sensor error.

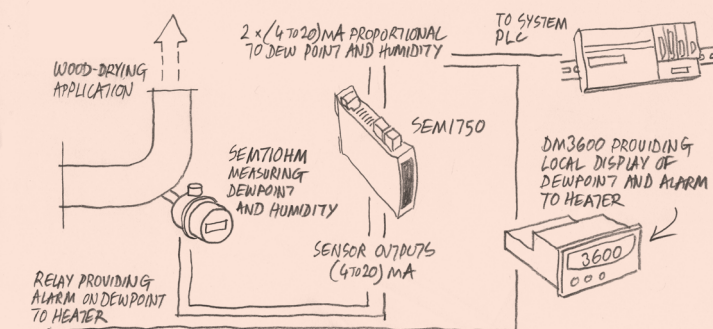
A DM650PM is measuring the water level in the tank via pressure. When the level is above the minimum then the rainwater is sent to the irrigation system.



The DM3600A can be used with almost any level sensor to measure 'head' upstream of a flume or weir. Standard software allows power 3/2 and 5/2 flow linearisation, giving a (4 to 20) mA output proportional to flow.

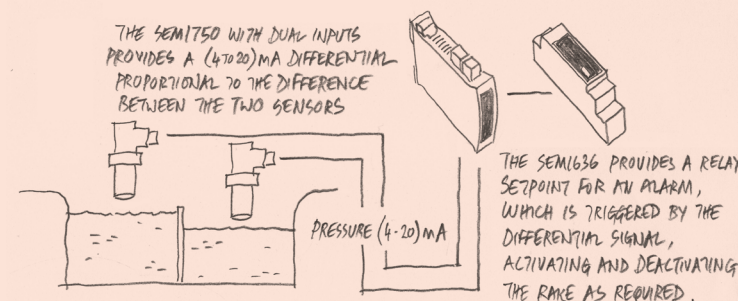
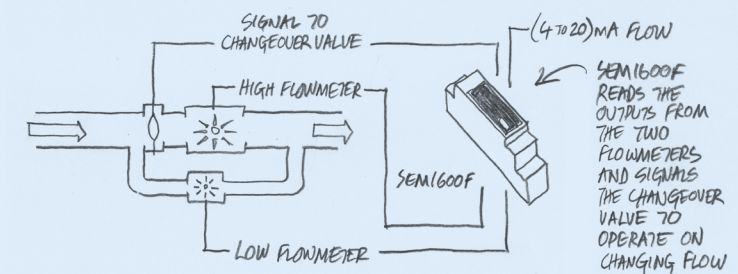


COMMON FLOW LAWS ARE STANDARD IN THE DM3600A. IT CAN BE PROGRAMMED SO A RELAY CLOSURE EVERY 'X' CUBIC METRES SENDS A SIGNAL FOR AN EXTERNAL TOTALISER.



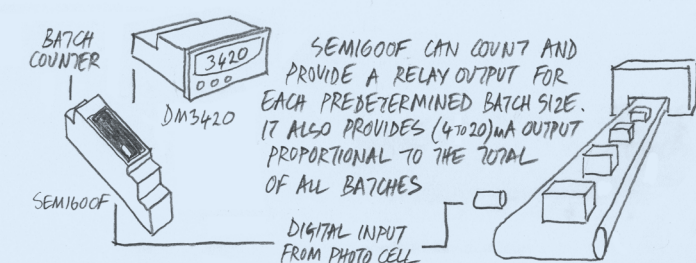
An SEM1750 powers the SEM710HM, and sends two loops to the panel meter and PLC for further control. The panel meter has its relay output programmed to alarm if the dewpoint reaches a critical level.

Accurate measurement of flow over a wide flow range can be problematic, as the turndown of the flowmeter could provide inaccurate measurement at extremes of span.



The SEM1750 can be used with almost any sensor to measure differential. In this common application in rivers and waterways, two level sensors measure level up- and down-stream of a weed screen.

An SEM1600F counting items on a belt. The product can be programmed to count each item that passes the digital sensor. When a number of readings equal to a batch size has gone through, a relay can switch.



Legacy Products

These Status products, and those listed opposite, are no longer available.

So here's how to replace them...



Because the Status product range is constantly evolving and growing, you might find that if you try to re-order a trusted and long-serving product, it may no longer be available in its original form.

So we thought it would be helpful to list here all discontinued products, and show you which of our current models would replace them. Then you can be sure to get the right state-of-the-art Status product, to serve you for many more years to come.

We also still have available to special order a number of older products, which are not included in the main body of this Product Guide.

As always, if you need more specific help or advice, please call us and we'll be happy to assist you.

In fact, we're happy to look at user requirements on a case-by-case basis, and will build unique products to special order (subject to MOQ).

Discontinued product	Description	Replacement
DM3430	High-voltage/current true RMS panel meter	
DM4000U	Panel meter	DM3600U
DM4000A	Panel meter	DM3600A
DM4000C	Panel meter	
DM440	Digital temperature indicator	DM650TM
DM4500	Panel meter series	
DM500	Loop-powered LCD indicator	DM700
DM540X	ATEX field-mounted display	DM640X
DM650VI	Voltage process indicator with relay	
DM660	Large Pt100 digital indicator	DM670TM
HTR200/1V	MA head-mounted RTD, potentiometer, resistance transmitter with voltage output	
MEDACS 2100 Series	Universal input single-channel signal conditioner	SEM1700 - most functions
MEDACS 2200 Series	Universal input dual-channel signal conditioner	SEM1720 / SEM1750 most functions
MEDACS 2300 Series	Frequency input single-channel signal conditioner	SEM1600/F most functions
MEDACS 2400 Series	Frequency input dual-channel signal conditioner	SEM1600/F most functions
PTX24	Process pressure transmitter	PTX19
SEM108P	In-head temperature transmitter	SEM206P
SEM110X	Analogue ATEX in-head transmitter	call us
SEM1100	Powered isolating voltage to current / current to voltage convertor	SEM1700
SEM1010	Provides isolated power for a transmitter derived from a powered loop.	SEM1700 (some functions)
SEM1401 / 1402	Loop-powered trip amplifier	SEM1636
SEM1500/TC	Thermocouple DIN rail temperature transmitter	SEM1605/TC
SEM1503P	Pt100 DIN rail temperature transmitter	SEM1605/P
SEM1504/P	4-wire Pt100 DIN rail temperature transmitter	SEM1615
SEM161 / 162	Humidity and temperature transmitter	SEM710HM
SEM1603	Rail-mounted temperature transmitter for Pt100 or thermocouple sensors	SEM1605P/TC
SEM1610	Universal temperature transmitter, DIN rail mount	SEM1615
SEM164	Humidity and temperature transmitter	SEM160, SEM161 or SEM162
SEM165HP	High-temperature humidity and temperature transmitter	No direct replacement for higher temperature version
SEM167H1C	Wall-mounted humidity transmitter with power supply and output options	SEM162
SEM167H1P	Duct-mounted humidity transmitter with power supply and output options	SEM162
SEM167H1R	Remote mount humidity transmitter with power supply and output options	SEM162
SEM205X	ATEX temperature transmitter	TTR200X
SEM210 MKI	Universal in-head temperature transmitter	SEM210 MKII
SEM213P	Manual push-button Pt100 4-20mA DIN rail temperature transmitter	SEM1605/P
SEM213TC	Manual push-button thermocouple 4-20mA DIN rail temperature transmitter	SEM1605/TC
SEM215	PC-programmable universal 4-20mA DIN rail temperature transmitter with user linearisation feature	SEM1615
SEM230X	ATEX DIN-rail universal transmitter	call us
SEM310 MKI	Universal HART in-head temperature transmitter	SEM310 MKII
SEM315 MKI	DIN rail Universal HART temperature transmitter	SEM315 MKII