

PDCC

DIGITIZER PLATE

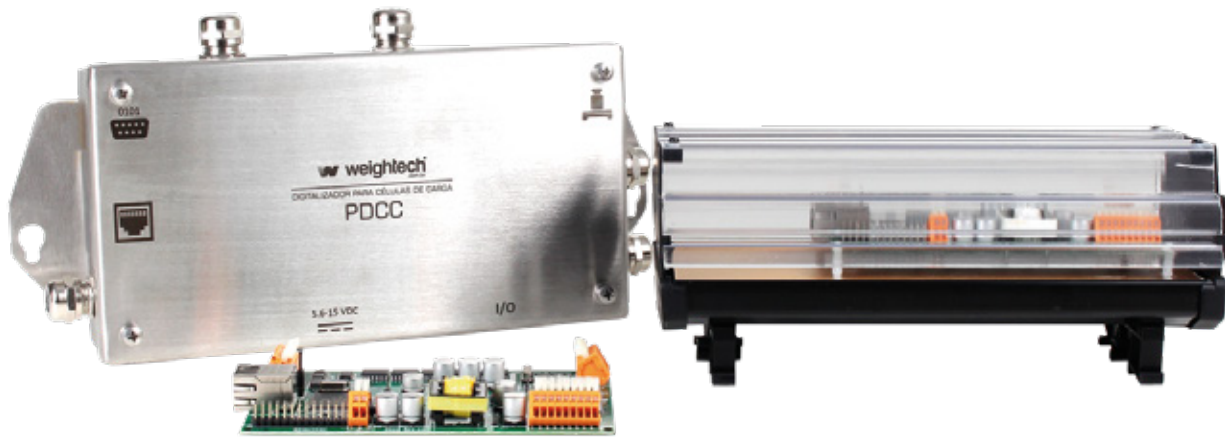


High-performance digitizer board for use in Checkweighers

PDCC

DIGITIZER PLATE FOR LOAD CELLS

The PDCC Digitizer Board is a robust and powerful load cell signal digitizer, designed for industrial processes that demand high precision and speed. Through configuration via software and the possibility of receiving commands via a communication interface that can be selected from several available options, the PDCC Digitizer is fully parameterizable via the HBM standard communication protocol.



IP67 Fully protected against dust and solid particles; Resistant to temporary immersion in water (heavy rain, splashes, quick washes); Ideal for industrial and outdoor environments

Flexibility and customization

Fully parameterizable, it allows adjustments to be made according to the user's needs, as well as enabling remote configuration without relying on proprietary software.

Data security and integrity

It protects the calibration against unauthorized changes via hardware, and has non-volatile memory to prevent configuration loss.

Advanced signal processing

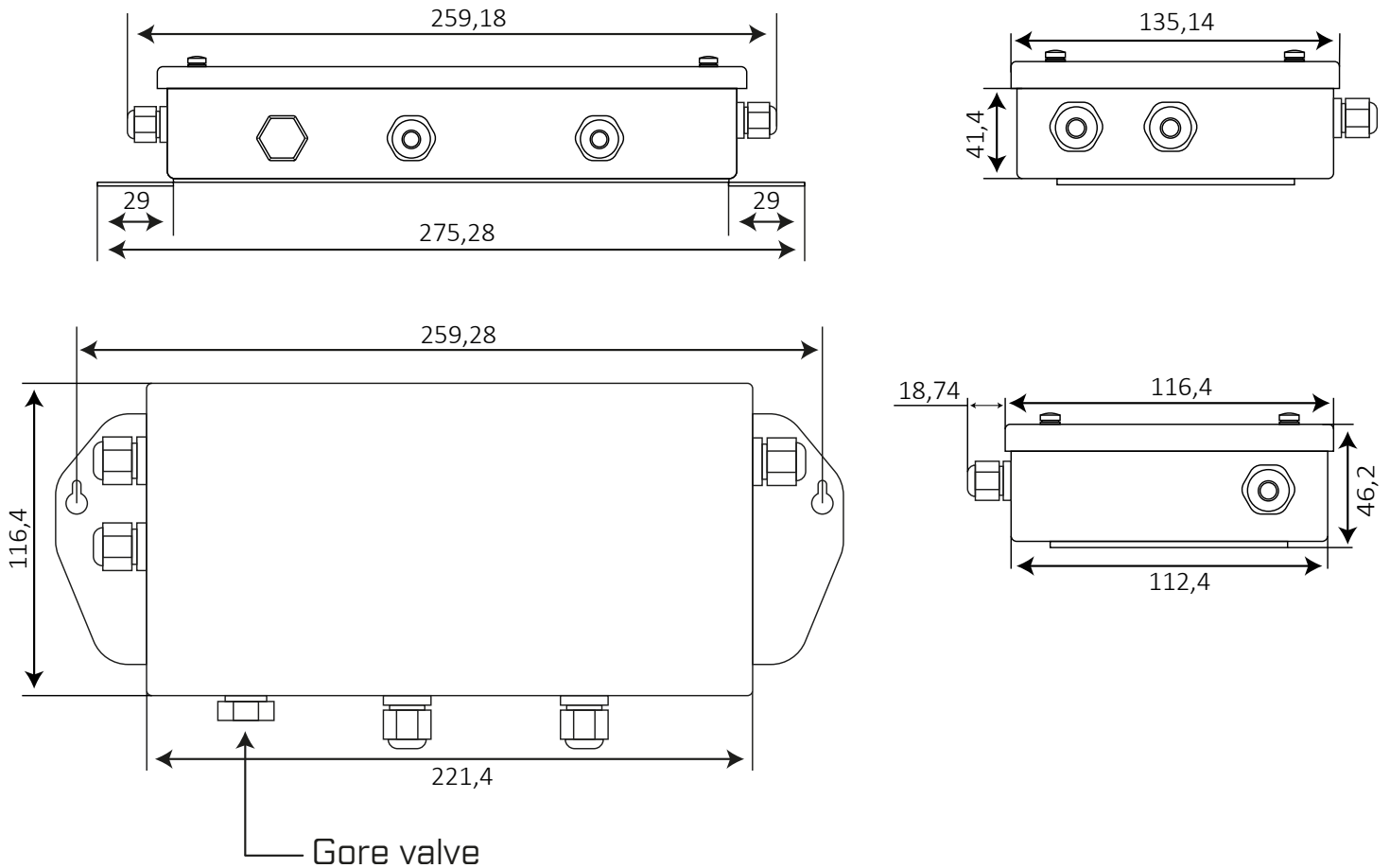
Equipped with adjustable digital filters and high resolution in the conversion of the load cell signal, guaranteeing more stable readings and reducing interference.

Easy integration and automation

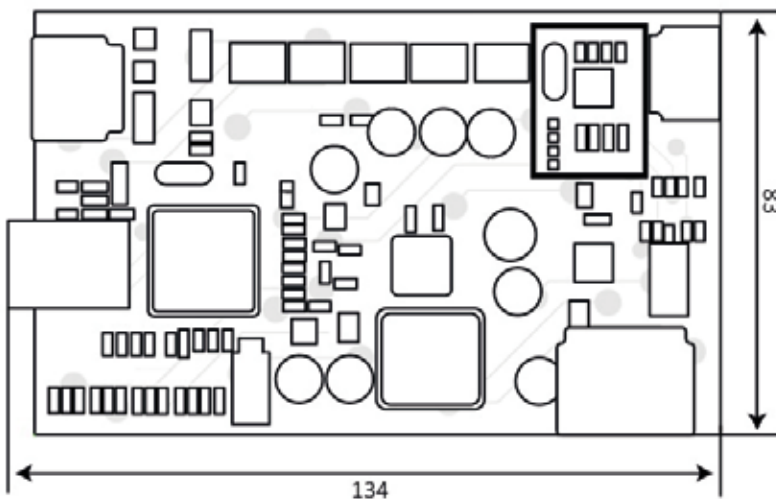
It has multiple isolated digital inputs and outputs, allowing efficient integration with other industrial devices and systems.

OUTLINE DIMENSIONS (in millimeters)

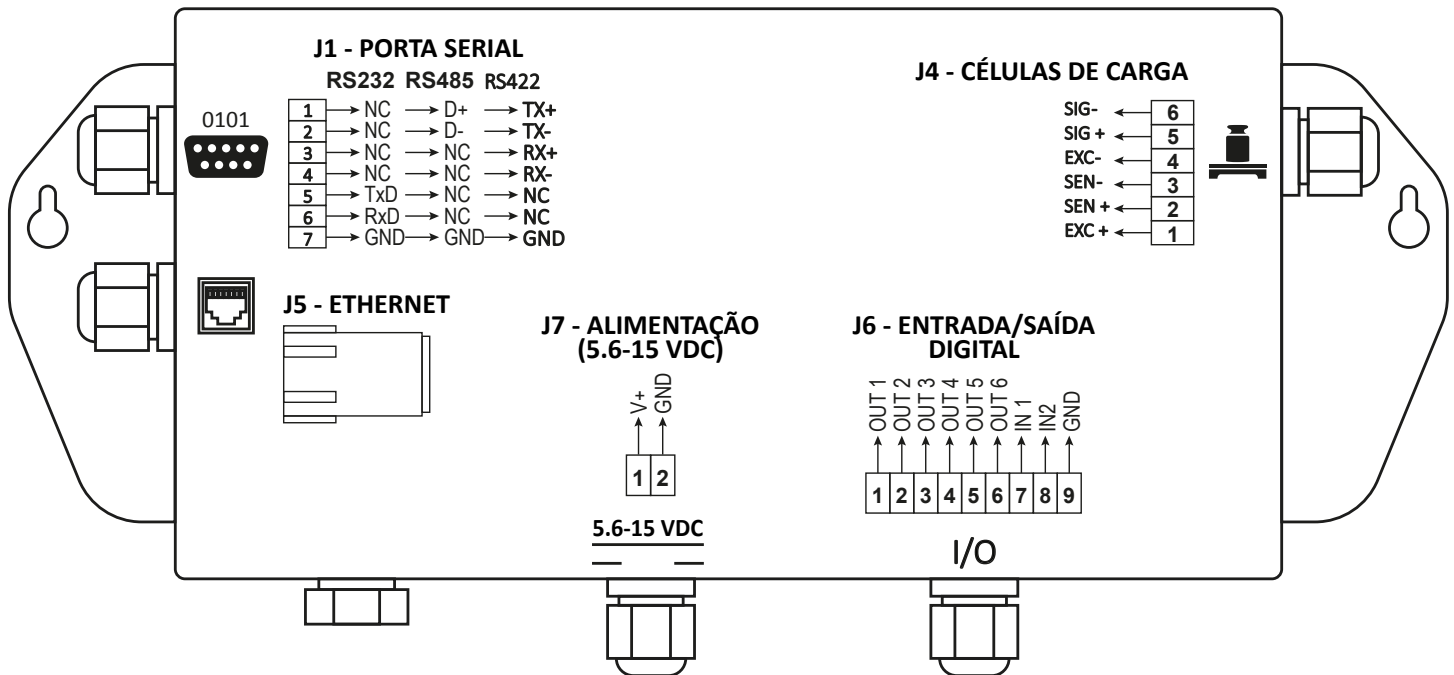
External box



Plate



CONNECTIONS



TECHNICAL DATA

Supply voltage	VDC	5~15
Load cell supply voltage		5
Communication interfaces	%F.S	RS-232 CRS-485 (half-cuples e full-duples Ethernet TCP/IP (RJ45)
Serial interface speed	bps	1200~115200
Ethernet interface speed	Mpbs	10/100
Internal resolution of the A/D converter	d	1/1.000.000
Maximum measurement range	mV/V	4.0
Maximum number of load cells	-	16 (700Ω conectadas em paralelo)
Measurement uncertainty of a stable weight	%	0,01
Signal conversion range (low pass filter)	Hz	0~200
Signal conversion range (low pass filter)	°C	0~+40
Circuit board dimensions (LxWxH)	mm	83x134x20
Degree of protection PDCC - Single plate	-	-
Degree of protection PDCC - Plastic enclosure	-	-
Degree of protection PDCC - Stainless steel	-	IP67

PART NUMBER

Product Name	Code
Serial port boot version	
PDCC - Digitizer board for load cells	503329
PDCC - Stainless Steel Cabinet	504560
PDCC - Plastic cabinet and Dim rail mounting bracket	504592
Ethernet port boot version	
PDCC - Digitizer board for load cells	504481
PDCC - Stainless Steel Cabinet	504484
PDCC - Plastic cabinet and Dim rail mounting bracket	504627

COMMUNICATION PROTOCOL

Model	Protocol
PDCC	WEIGHTECH

FIND US

10384 W State road 84 #6 - Davie, FL 33324

sales@weightechusa.com

weightechusa.com

Technical Support: +1 (954) 666-0877x302

Sales: +1 (954) 666-0877x305