

**Read Register (Function Code 0x03)**

Address	Name	Description	Unit	Multiplier	Type	Details
30001	Tst	Stack temperature	°C	0.001	INT 32	Current Stack Temperature
30005	Twt	Heat exchanger temperature	°C	0.001	INT 32	Internal EFOY Cooling System
30011	Tres	Periphery temperature	°C	0.001	INT 32	Ambient Temp inside Panel
30015	Ubat	Battery voltage	V	0.001	UINT 16	Current Battery Voltage
30035	FuellSt	Mixing tank fluid level	%	0.01	UINT 16	Internal EFOY Water Supply
30036	LastError	Last occurred error	-	1	UINT 8	Most Recent Error Code
30037	Error	Current error	-	1	UINT 8	Active Current Error
30038	StBtrb	Operating hours stack	h	0.001	UINT 32	Total EFOY Runtime Hours
30707	Mode	Operation mode: 0 – Manual Off 1 – Manual On 2 – Automatic 3 – Hybrid 4 – Ext. Control 5 – Transport lock	n	1	UINT 16	Current Operating Mode (Default setting should be Automatic Mode)
30708	Status	Operation state: 1 – Standby 2 – Start phase 3 – Charging mode 4 – Shutdown procedure 5 – Antifreeze 6 – Battery 7 – Error 8 – Interruption 9 – Restart 10 – Transport	n	1	UINT 16	Current Operating Status

Address	Name	Description	Unit	Multiplier	Type	Details
30725	Cart1	Fill level cartridge port #1	L	0.001	INT 32	Fuel L Remaining – Cartridge # 1 (no Duo Cart Switch)
30727	Cart11	Fill level cartridge port #1.1	L	0.001	INT 32	Fuel L Remaining – Cartridge # 1.1 (DCS #1, Hose #1)
30729	Cart12	Fill level cartridge port #1.2	L	0.001	INT 32	Fuel L Remaining – Cartridge # 1.2 (DCS #1, Hose #2)
30731	Cart2	Fill level cartridge port #2	L	0.001	INT 32	Fuel L Remaining – Cartridge # 2 (no Duo Cart Switch)
30733	Cart21	Fill level cartridge port #2.1	L	0.001	INT 32	Fuel L Remaining – Cartridge # 2.1 (DCS #2, Hose #1)
30735	Cart22	Fill level cartridge port #2.2	L	0.001	INT 32	Fuel L Remaining – Cartridge # 2.2 (DCS #2, Hose #2)
30737	CartAll	Sum of the fill levels of all connected fuel cartridges	L	0.001	INT 32	Total Fuel L Remaining

**Read / Write Registers**

Address	Name	Description	Value	Type	Details
41014	Active Cartridge Port	Set/get active cartridge port C: Connector DCS1: DuoCartSwitch DCS1	1: C#1 11: C#1 DCS1#1 12: C#1 DCS1#2 2: C#2 21: C#2 DCS1#1 22: C#2 DCS1#2	INT 16	Set the active fuel cartridge

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