

FIBER OPTIC TEMPERATURE
MEASUREMENT SYSTEMS

OVERVIEW

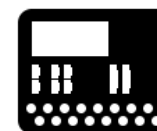
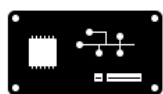


WEIDMANN

FIBER OPTIC MEASUREMENT SYSTEMS

GENERAL TECHNICAL SPECIFICATION

MEASUREMENT		ENVIRONMENT	
Measurement Range	-200 °C to 300 °C	Communication Protocol	ASCII
Measuring Time	< 250 ms per Channel	Operating Temperature	-20 °C to 60 °C
Resolution	0.1 K	Storage Temperature	-20 °C to 70 °C
Probes	Compatible with all Weidmann fiber optic temperature sensors	Connector Type	ST



MODEL	MINI 2	DINRAIL	HANDHELD	MODULSYSTEM	OEM	OEM PLUS	TRAF0 2	INSULOGIX
Channel	1	1, 2	1, 2	1, 2, 4 per Module	1, 2, 4	1, 2, 4	2 to 16	2 to 16
Modules				Up to 10x 7TE or 5x 14TE				4x up to 4 channels
Accuracy *2	Standard	Standard	Standard	Standard	Standard	Standard	Plain	Plain
Display		0,96" OLED	3,5" LCD	0,96" on 7TE or 1,7" on 14TE OLED		2,8" LCD	4,3" LCD	7" LCD
Analog		0 - 10 V or 4 - 20 mA		0 - 10 V or 4 - 20 mA	0 - 10 V or 4 - 20 mA	0 - 10 V or 4 - 20 mA	0 - 10 V or 4 - 20 mA	0 - 10 V or 4 - 20 mA
Relay		1 per Channel		1 per Channel	1 per Channel	1 per Channel	2 programmable, 1 sensor fault, 1 watchdog	16 free programmable relays
Interfaces	RS232, RS485, USB	RS232, RS485, Reference sensor	USB, Reference sensor	RS232, USB	RS23, RS485, USB	RS23, RS485, USB	RS485, USB, Ethernet	RS232 (DEBUG), RS485, Ethernet
Additional Protocols	Modbus	Modbus			Modbus	Modbus	Modbus	Modbus, DNP3, IEC61850, IEC60870
Data Logging	Continuous or timed logging on microSD		Continuous or timed temperature logging, spectrum snapshots				Continuous or timed logging on microSD	Downloadable timed logging on internal SD
Power Supply	3,3 VDC / 350 mA or USB	9 VDC / 1 A	9 VDC / 1 A	100 - 240 VAC / 50-60 Hz	12 VDC / 500 mA	12 VDC / 500 mA	24 VDC / 1000 mA	24 VDC / 1000 mA
Dimension	80 x 40 x 40 mm	100 x 80 x 50 mm	20 x 112 x 40 mm	7TE or 14TE, 3HE	190 x 110 x 42 mm	195 x 110 x 90 mm	209 x 203 x 109 mm	238 x 190 x 155 mm
Weight	0,2 kg	0,4 kg	0,6 kg	8,0 kg	0,5 kg	0,5 kg	2,0 kg	2,0 kg
Mounting / Housing Options		DIN rail mounting bracket		19" Rack mount chassis, 84TE or 42TE Cabinet	Pressed nuts	Pressed nuts	DIN rail mounting bracket	DIN Rail mounting bracket or standard mounting brackets

*1 Statement only possible with adjusted analysis unit. See data sheet of the measurement device for information about technical data.

*2 Standard Deviation: 0.2 K Plain Deviation: 1.0 K

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