

FIBER OPTIC TEMPERATURE MEASUREMENT SYSTEMS

OVERVIEW

GENERAL TECHNICAL SPECIFICATION

MEASUREMENT

Measurement Range -200 °C to 300 °C

Measuring Time < 250 ms per Channel

Resolution 0.1 K

Probes Compatible with all Weidmann fiber optic temperature sensors

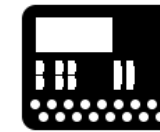
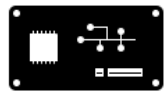
ENVIRONMENT

Communication Protocol ASCII

Operating Temperature -20 °C to 60 °C

Storage Temperature -20 °C to 70 °C

Connector Type ST



MODEL	MINI 3	HANDHELD	MODULAR SYSTEM	OEM	COMPACT 2	TERMINAL 2	TERMINAL 3
Channel	1	1, 2	1, 2, 4 per Module	1, 2, 4	1, 2, 4	2 to 16	2 to 16
Modules			10x 7TE or 5x 14TE				4x up to 4 channels
Accuracy *2	Standard	Standard	Standard	Standard	Standard	Plain	Plain
Display		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
Relay			1 per Channel	1 per Channel	1 per Channel	2 programmable, 1 sensor fault, 1 watchdog	16 free programmable relays
Interfaces	TTL, RS232, RS485, USB	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, 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	USB-Powered (Standard) 9-24VDC / 350 mA (Optional)	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	70 x 30 x 29 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	0,6 kg	8,0 kg	0,5 kg	0,5 kg	2,0 kg	2,0 kg
Mounting / Housing Options			19" Rack mount chassis, 84TE or 42TE Cabinet	DIN rail mounting bracket, Pressed nuts, Threaded bolts	DIN rail mounting bracket, Pressed nuts, Threaded bolts	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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