

Fiberoptic Temperature Measurement with customer-friendly and compact instruments!

FOTEMP series	FOTEMP1	FOTEMP1 NANO	FOTEMP 4	FOTEMP Multichannel	FOTEMP NANO Multichannel	FOTEMP1 Hand	FOTEMP1-OEM
Number of channels	1	1	4	up to 255	up to 255	1	1
Power Requirements	9 VDC, *)						9 - 12 VDC
Power input	350 mA	350 mA	800 mA	350 mA per channel		700 mA	350 mA
Display range	0 °C ... 200 °C 32 F ... 392 F	0 °C ... 300 °C 32 F ... 572 F	0 °C ... 200 °C 32 F ... 392 F	0 °C ... 300 °C 32 F ... 572 F		- 40 °C ... 300 °C - 40 F ... 572 F	0 °C ... 300 °C 32 F ... 572 F
	... other measuring ranges from -200 °C up to 300 °C / -328 F up to 572 F are available on request ...						
Accuracy	+/- 1 °C						
Resolution	0.1°C						
System accuracy (instrument & probe)	+ - 2 °C / 35.6 F in the complete temperature range 0 °C ... 300 °C / 32 F... 572 F						
T90 time constant	2 sec	10 sec	<= 6 sec	0,3 sec	10 sec	2 sec	
Analog output	0 – 10 VDC / 4 – 20 mA (programmable), BNC						
Communication	RS-232						
	USB optionally						
Calibration	all FOTEMP instruments are calibrated by factory; the opportunity of one-point calibration feasible by user is provided						
Display	LCD 1x8 digits **)		LCD 2 x 16 digits **)	LCD 2 x 8 digits **)		LCD 1x8 digits **)	-----
Storage temperature	- 20 °C ... + 70 °C						
Operating temperature	0 °C ...+ 50°C non precipitated						
Instrument mass	900 g		1.100 g			650 g	800 g
Instrument dimension length*width*height	230 mm x 171 mm x 54 mm			19 "		230 mm x 90 ... 120 mm x 40 mm	1.650 mm x 100 mm x 40 mm
Instrument Housing	aluminium, mat black			aluminium, metallic		ABS ***), grey inside metallised	aluminium, mat black
Software	FOTEMP – assistant, WINDOWS XX compatible, temperature graphics						
*) Power supply inclusive			**) with background lighting		***) ABS Acrylnitril-Butadien-Styrol		

Other measuring ranges and special design (Probe adaptations, interfaces) on application.

Fiberoptic accessories, adapters, feedthroughs etc. are available.

Form and content of technical subjects are changed without prior notice.

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