

Digital Indicator IF0000

Smart, Panel Mounted Digital LED Display



A smart LED digital indicator for use with Sensortherm's Metis or Sirius pyrometer series.

Display Functions:

- For measuring temperature
 - Adjustment of pyrometer parameters
 - Activation of digital limit switches
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- Easy to read 4 digit, 7 segment LED display
 - Automatic detection of Sensortherm pyrometers
 - Access and settings of all pyrometer parameters without PC
 - Additional parametrizing of the pyrometer utilizing *SensorTools* software
 - 4 digital limit switch outputs
 - Digital communication interface output RS232 /485 (switchable)
 - Switchable from °C to °F
 - Temperature display and analysis via *SensorTools* software

Technical Data

Value display	4 digit red 7 segment LED display 13 mm height of digits,
Resolution	0.1°C/F to 999.9°C/F, above 1°C/F
Display update	250 ms
Parameter display	4 digit alphanumeric LED display
Temperature unit	Switchable °C / °F
Digital interface to pyrometer	RS232C (4800 Bit/s to 230 kBit/s) and bus-compatible, addressable RS485, half duplex, (4800 Bit/s to 921 kBit/s)
Pyrometer parameters	Depending on the connected pyrometer model
Digital outputs	4 digital switch outputs (24 V / 100 mA) active switching to the power supply (typ. +24V), invertible
Digital interface to PC	RS232C / RS485 (switchable)
Power supply	24 V DC (18 to 32 V)
Current consumption	200 mA (at 24 V) without external circuit
Terminals	Screw terminals, nominal cross-section 1.5 mm
Isolation	Digital interface to power supply galvanically isolated
Operation temperature	0 to 60°C
Storage temperature	-20 to 70°C
Housing	Panel housing DIN IEC 61554
Dimensions	96 x 48 x 155 mm (WxHxD)
Panel cut-out	91 mm x 44.6 mm
Weight	320 g
Protection	Front side IP60 (with optional available front cover IP65 is possible)
CE mark	According to EU directives about electromagnetic immunity

Connection

Sensortherm pyrometer connected via digital interface to

- Transmit measured value
- Transmit pyrometer parameters
- Change pyrometer parameters

4 digital switch outputs as

- Limit switch output
- Control output

Interface for connection to a controller or PC to

- Temperature display
- Temperature recording
- Temperature logging
- Change pyrometer parameters



Reference Numbers

IF00-00 Digital indicator IF0000

Recommended Accessories:

Digital Sensortherm pyrometer type Metis or Sirius.

Pyrometer connection cable with straight connector, right angle connector or right angle connector with laser targeting button

Interface converter RS232 or RS485 to USB (with 1.7 m cable)

Sensortherm reserves the right to make changes in scope of technical progress or further developments.

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