

Digital Indicator IF0000

Smart, Panel Mounted Digital LED Display / Controller



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 *SensorWin* software
 - 4 digital limit switch outputs
 - Digital communication Interface output RS232 /485 (switchable)
 - Switchable from °C to °F
 - Temperature display and analysis via *SensorWin* 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.
Connection cable AK08-05 with right angle connector and laser aiming button
Interface converter RS232 or RS485 to USB (with 1.8 m cable)
IP65 front cover

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

Sensortherm-Datasheet_F0000_DigitalIndicator (Oct. 13, 2014)

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