

Digital Indicator IF0000

Smart, Panel Mounted Digital LED Display / Controller



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

Display Functions:

- For measuring temperature
- Adjustment of pyrometer parameters
- Activation of digital limit switches

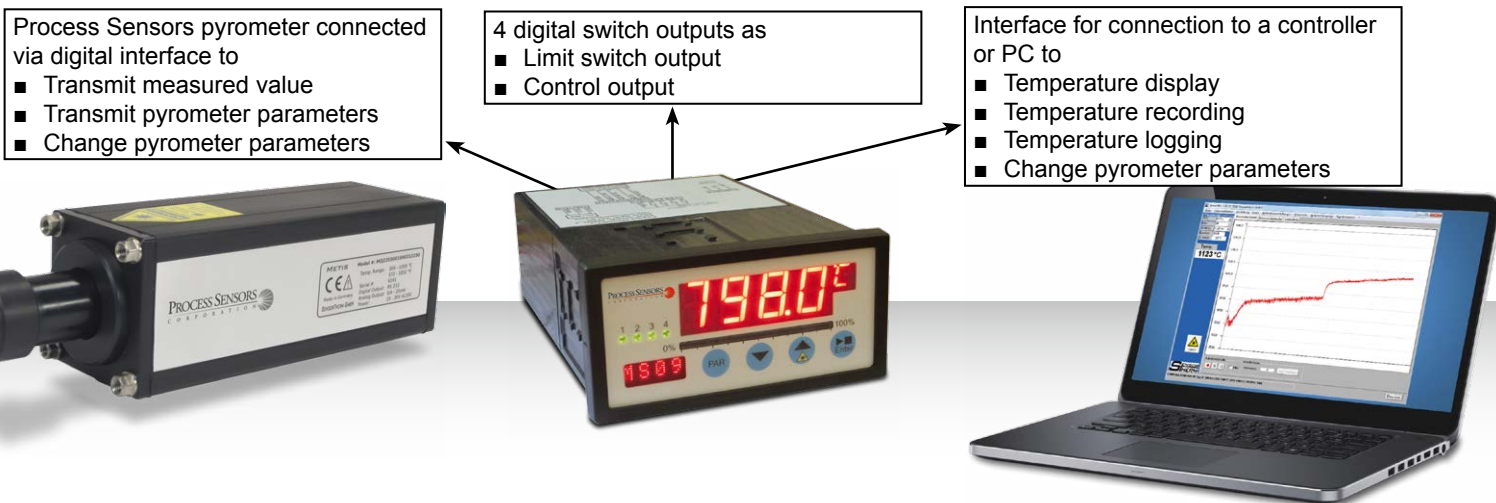
Highlights

- Easy to read 4 digit, 7 segment LED display
- Automatic detection of Process Sensor pyrometers
- Access and settings of all pyrometer parameters without PC
- Additional parametrizing of the pyrometer utilizing *PSCwin* software
- 4 digital limit switch outputs
- Digital communication Interface output RS232 /485 (switchable)
- Switchable from °C to °F
- Temperature display and analysis via *PSCwin* 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



Model Numbers

IF00-00 Digital indicator IF0000

Recommended Accessories:

Digital Process Sensors 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

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

PSC-Datasheet_IF0000_DigitalIndicator (Oct. 13, 2014)

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