

Series 5 with TV camera module

Digital Pyrometer with integrated Camera

The Video Image facilitates the optical alignment and enables the continuous observation of the measurement area.

Addendum to the Standard Series 5 Data Sheets for Models MI-S 5, MI-GA 5, MI-SQ 5 and MI-S 5/F

The Video/Camera/Module is an enhancement for the Series 5 pyrometers. Dimensions and electrical details correspond to the standard pyrometer with laser targeting. Please see the electrical and mechanical accessories in the data sheet for the standard pyrometer.

Technical Data Video/Camera/Module Series 5:

Video Signal:	RS170 - Signal approx. 1V _{pp} at 75 Ohm, NTSC, 60Hz
Resolution:	510 x 492 Pixel, black and white
Illumination Control:	automatic, additionally controlled by the measuring temperature in 3 steps
Field of View	approx. 10% x 14% of the adjusted measuring distance
Connection Video-Signal:	RCA connector separate plug at the pyrometer, not galvanically isolated from the pyrometer's power supply
Date/Time:	Real time clock with minimum 3 days buffer
Screen Inserts:	circular target marker Instrument's number or text to your choice (max 12 Characters) Time and/or Date (switchable)
MI-GA 5-TV:	Measured Temperature, Emissivity
MI-SQ 5-TV:	Measured Temperature, Emissivity Slope ϵ_1/ϵ_2 , Single Channel Temperature with Emissivity
MI-S 5/F-TV:	Flame Temperature, Optical Thickness, Soot Factor and Emissivity

Reference Numbers and Temperature Ranges for Pyrometers with Video/Camera/Module:

MI-GA 5-TV		Ref.No.	MI-S 5-TV		Ref.No.
MB 18	350 ... 1800°C	5 847 400	MB 20	650 ... 1800°C	5 847 150
MB 20	250 ... 2000°C	5 847 350	MB 25	800 ... 2500°C	5 847 200
MB 25	400 ... 2500°C	5 847 450			

MI-SQ 5-TV		Ref.No.	MI-S 5/F-TV		Ref.No.
MB 14	600 ... 1400°C	5 847 500	MB 14	600 ... 1400°C	5 847 520
MB 18	700 ... 1800°C	5 847 600	MB 18	700 ... 1800°C	5 847 620
MB 25	800 ... 2500°C	5 847 700	MB 25	800 ... 2500°C	5 847 720
MB 30	1000 ... 3000°C	5 847 800	MB 30	1000 ... 3000°C	5 847 820

Options: RS 485 instead of RS 232: + 010 to be added to the Ref.No. of the pyrometer MI-S 5-TV, MI-GA 5-TV, MI-SQ 5-TV or MI-S 5/F-TV

Scope of Delivery: Pyrometer according to the ref.No. with integrated TV camera module, software InfraWin. Cables for power supply and TV are not included.

Cables: 3 820 330 Connection cable with straight connector, 5 m long (optional 10 m, 15 m, 30 m)
3 820 430 Video cable with RCA connector and adaptor to SCART, 5 m long: (optional 10 m, 15 m, 30 m)

Specifications are subject to change without notice.