

Series 5 with TV camera module

Additional Data Sheet to the Standard Series 5 Data Sheets
for the Pyrometer Models Infratherm IS 5, IGA 5, ISQ 5 and IS 5/F

Digital Pyrometer with integrated Camera
The Video Image facilitates the optical adjustment and enables the permanent observation of the measuring area.

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

Technical Data Video/Camera/Module Series 5:

Video Signal:	BAS-Signal approx. 1Vss at 75 Ohm, CCIR, 50Hz
Resolution:	628x583 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:	SCART- or Cinch plug 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)
IS / IGA 5-TV:	Measured Temperature, Emissivity
ISQ 5-TV:	Measured Temperature, Emissivity Slope ϵ_1/ϵ_2 , Single Channel Temperature with Emissivity
IS 5/F-TV:	Flame Temperature, Optical Thickness, Soot Factor and Emissivity

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

IGA 5-TV		Ref.No.	IS 5-TV		Ref.No.
MB 18	350 ... 1800°C	3 847 400	MB 20	650 ... 1800°C	3 847 150
MB 20	250 ... 2000°C	3 847 350	MB 25	800 ... 2500°C	3 847 200
MB 25	400 ... 2500°C	3 847 450			

ISQ 5-TV		Ref.No.	IS 5/F-TV		Ref.No.
MB 14	600 ... 1400°C	3 847 500	MB 14	600 ... 1400°C	3 847 520
MB 18	700 ... 1800°C	3 847 600	MB 18	700 ... 1800°C	3 847 620
MB 25	800 ... 2500°C	3 847 700	MB 25	800 ... 2500°C	3 847 720
MB 30	1000 ... 3000°C	3 847 800	MB 30	1000 ... 3000°C	3 847 820

Options: **RS 485 instead of RS 232:** + **010** to be added to the Ref.No. of the pyrometer
IS 5-TV, IGA 5-TV, ISQ 5-TV or IS 5/F-TV

Scope of Delivery: Pyrometer according to the ref.No. with integrated TV camera module, software InfraWin.
Cables for 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 cinch connector and adaptor to SCART, 5 m long:
(optional 10 m, 15 m, 30 m)