

X Non-contact thermometry best done with *INFRATHERM* pyrometers



IMPAC Infrared GmbH
Temperature Measurement



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IS 140-TV IGA 140-TV

**Digital pyrometer with integrated color camera
(Additional data sheet to IS 140 · IGA 140)**

- ◆ Temperature ranges between 250 and 3300°C
- ◆ Video output
- ◆ Spot size marker for exact alignment



Technical data video module series 140:

Video signal:	FBAS-Signal approx. 1 V _{pp} at 75 Ohm, PAL (B), 50Hz (optional NTSC (M), 60 Hz)
Resolution:	628 x 582 Pixel (510 x 492 at NTSC)
Illumination control:	automatic or adjustable (via keyboard or software)
Field of view:	approx. 3.5% x 5% of the adjusted measuring distance
Connection video signal:	SCART- or Cinch plug (monitor's side); separate round plug (at the pyrometer); connections galvanically isolated; video signal selectable when more than one pyrometer with TV output is used
Date / time:	Real time clock with about 3 days buffer (GoldCap capacitor, free of harmful substances)
Screen display:	circular target marker; instrument's number or text to your choice (max. 12 characters); time and / or date (switchable); measured temperature, emissivity

Reference numbers pyrometers:

3 882 100	IS 140-TV	MB 14:	550 ... 1400°C	3 882 300	IGA 140-TV	MB 13:	300 ... 1300°C
3 882 120	IS 140-TV	MB 16:	600 ... 1600°C	3 882 320	IGA 140-TV	MB 18:	350 ... 1800°C
3 882 140	IS 140-TV	MB 18:	650 ... 1800°C	3 882 340	IGA 140-TV	MB 25:	450 ... 2500°C
3 882 160	IS 140-TV	MB 25:	750 ... 2500°C	3 882 360	IGA 140-TV	MB 13.5L:	250 ... 1350°C
3 882 180	IS 140-TV	MB 33:	900 ... 3300°C	3 882 380	IGA 140-TV	MB 20L:	300 ... 2000°C
3 882 200	IS 140-TV	MB 18L:	550 ... 1800°C	3 882 400	IGA 140-TV	MB 25L:	350 ... 2500°C

Scope of delivery: Pyrometer according to the ref.No. with integrated TV camera module, software *InfraWin*.
A connection cable is not included in scope of delivery and has to be ordered separately.

Cables: **3 820 340** Connection cable with 90° 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)

The pyrometers **IS 140-TV** and **IGA 140-TV** are digital, highly accurate pyrometers for non-contact temperature measurement on metals, ceramics, graphite etc. They are equipped with a

color camera module which enables the optical alignment of the pyrometer to the measuring object via video screen or monitor.
The monitor shows the actual measur-

ing temperature as well as the adjusted emissivity of the pyrometer. Additionally the date and the time and a free selectable text can be displayed.