



## ThermoSpot XP

Infrared temperature sensor for the precise measurement of surfaces in the high-temperature range with Digital Connection interface

This infrared temperature measuring device with adjustable emissions level is suitable for precise measurement of surfaces in the high temperature range. The 8-point laser circle allows the inspection area to be accurately targeted. The non-contact measuring method is ideal for measuring temperatures in hard-to-reach places and hazardous areas. The smallest, largest, average or differential infrared measured value can be displayed. The auto-hold function briefly saves the most recent measured value. Deviations from the desired temperature range are indicated in colour in the display by the colour alarm function. There is a connection for a temperature sensor (K-type) to facilitate contact temperature measurement. The multifunction display shows different measured values simultaneously. The measured data can easily be transferred using a Digital Connection interface.

- Accurate and non-contact detection of surface temperature
- Precise targeting of the inspection area with the 8-point laser circle
- Practical display of the smallest, largest or differential measured value
- Versatile application due to large temperature measurement range
- Connection for K-type thermal sensor



Adjustable emission coefficient: 0,01 - 1,0

### TECHNICAL DATA

<b>Measured Variable</b>	Infrared temperature Contact temperature
<b>Features</b>	HOLD Alarm Continuous measurement
<b>Measuring Range Infrared Temperature</b>	-40°C ... 1500°C
<b>Accuracy Infrared Temperature</b>	-40°C ... 0°C (± 1°C + 0.1°C/1°C) 0°C ... 33°C (± 1°C) >33°C (± 2°C or ± 2%, greater value applies)
<b>Infrared Temperature Resolution</b>	0.1°C / 1°C (≥ 1000°C)
<b>Contact Temperature Measuring Range</b>	-30°C ... 1372°C
<b>Contact Temperature Accuracy</b>	± 1°C or ± 1%, greater value applies
<b>Contact Temperature Resolution</b>	0.1°C
<b>Emission Coefficient</b>	adjustable, 0.01 ... 1.00
<b>Optics</b>	50:1 (50 m distance : 1 m measured spot)
<b>Laser</b>	8-point laser circle
<b>Laser Class</b>	2 / < 1 mW (EN 60825-1:2014/AC:2017)
<b>Port</b>	Digital Connection
<b>Ports</b>	Thermocouple type K 1/4" tripod thread
<b>Memory</b>	50 storage locations

### SCOPE OF DELIVERY



Item No. 082.043A      GTIN (EAN) 4021563698929      SU 2