

# Air Pressure - systems

## Thermo-hygrometer and laser pyrometer

You can use the E200 IR as a thermo-hygrometer or laser pyrometer, depending on the application mode.

In TH-mode the measuring instrument operates as the E200 and offers you all the functions of this hygro-thermometer.

In IR-mode you can use the E200 IR as a laser pyrometer to measure surface temperatures, including measurement position marking.

In DP-mode, dew-point temperature and surface temperature are displayed simultaneously on the easy-to-read display.

Wall surfaces can be checked and thermal bridges detected quickly with the aid of the alarm function. The alarm thresholds can be configured individually.

Technical data	Ref.No.
<b>Hand-held measuring instrument E200 IR</b>	<b>5240.00</b>
Battery type	9V battery
Dimensions	130x45x25mm
Functions	HOLD / MAX / MIN / AVG / Unit1 / Unit2 / CAL1 / CAL2
Operating temperature	0...50°C
Operation time	max. 200h in TH mode, 10h in IR/DP-mode
Storage temperature	-30...60°C
Weight	Approx. 200g
<b>Temperature</b>	
Principle	NTC
Measuring range	-20 ... 50 °C
Accuracy	±0.4°C (0...40°C), otherwise ± 0.7°C
Resolution	0,1 °C
<b>Relative humidity</b>	
Principle	Capacitive
Measuring range	5 ... 95 % RH
Accuracy	±2% RH
Resolution	0,5 % RH
<b>Surface temperature</b>	
Principle	Thermopile
Measuring range	-20 ... 60 °C
Accuracy	±2°C (Tobj>0°C, Tamb>10°C)
Resolution	0,1 °C
<b>Accessories</b>	<b>Ref.No.</b>
Metal grid filter for medium dirt protection	<b>5120.210</b>
Stainless steel sinter filter for high dirt protection	<b>5120.211</b>

3 modes:  
Temperature/humidity measurement (TH-mode)  
Contact-free temperature measurement (Infrared, IR-mode)  
Dew-point detection on walls (DP-mode)

