(e)XC(lusiv) Series
XC250

- Precision of the xc200 combined with a high-precision pyrometer (+-0,5°C @ 0°C ... 50°C)
- Noncontact temperature measurement
- Continuous measurand output of the thermopile to the LCD
- Adjustable emmissivity, to adapt to different surfaces
- Pyrometer is laser assisted
- Configurable condensation/dew alarm with contact-free measurings (Application: e.g. detect molds)
- Two lines color display with large digits
- Accurate measurement of temperature and relative humidity
- Calculation of dew point temperature of the ambient air
- Calculation of mixed ratio
- Display of MAX, MIN, HOLD, AVG and ACT, easily selectable
- Easy-to-use touch operations (capacitive)
- USB interface for SmartGraph3 software
- Calibration certificate
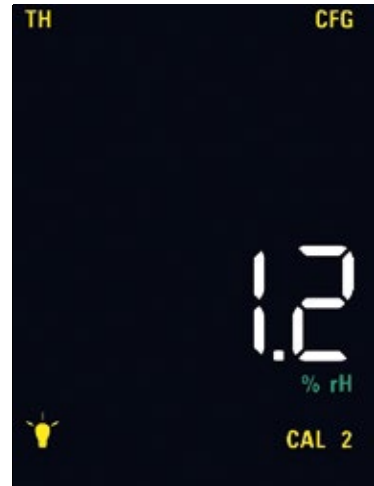
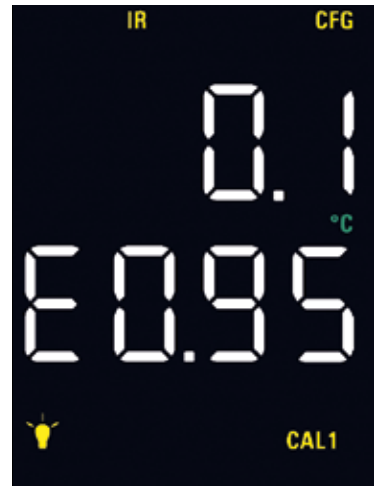# Hand-held measuring device XC250 Pyrometer Temperature/Humidity

The powerful and compact handheld device with state-of-the-art and robust design. Excellent accuracy. The high-resolution color screen displays rel. humidity, temperature and dew point. Excellent readability. The calibration function (offset correction) guarantees the long-term use without compromising the accuracy.

Special features: Contact-free temperature measurement

Hand-held measuring device XC250			Order No.
Excellent accuracy of temperature and relative humidity. Contact-free temperature measurement. Display of calculations and statistical functions. Adjustment of local pressure and local height possible. Calibration function and offset correction. Including a calibration certificate. USB interface with SmartGraph3 software.			**5725.00**
Technical data	Dimensions	170 x 60 x 35 mm	
	Weight	Approx. 250g	
Temperature Sensor	Principle	NTC	
	Measurement range	-20...50°C	
	Accuracy	± 0.2°C (0...40°C) otherwise ± 0.4°C	
	Resolution	0.1°C	
Surface temperature	Principle	Thermopile	
	Measurement range	-70 ... 380 °C	
	Unit	°C	
	Accuracy	± 0.5°C (0...50°C) otherwise ± 4°C	
	Resolution	0.1	
Humidity Sensor	Principle	Capacitive	
	Measurement range	0...100% RH	
	Accuracy	± 2% RH	
	Resolution	0.1% RH	
	Calculations	Dew point temperature °C or °F Absolute humidity g/m³ Mixed ratio g/kg or gr/lb	
	Functions	Statistical calculations MAX, MIN, HOLD, AVG, ACT. Temperature correction and humidity correction factors (offset)	
Storage conditions	Permitted ambient temperature	-20...60°C	
	Permitted rel. humidity	<95% RH non-condensing	
Operating conditions	Permitted ambient temperature	-20°C...50°C	
	Permitted rel. humidity	<90% RH	
Power supply	Power consumption	5.5V ± 10% DC, max 200mA	
	Stromaufnahme aktiv	Approx. 70mA	
	Stromaufnahme passiv	Approx. 40µA	
	Batterielebensdauer	Approx. 24h (2.6Ah battery capacity)	
Warranty	12 months		
Accessories	Case for hand-held-measuring device Stainless steel sinter filter		**5800.BAG 5120.212**

User-offset configuration menu

Emissivity configuration

Dew point alarm configuration