Environmental Sensors

Various Environmental Sensors including Room, Ceiling, Radiation and Contacting Temperature Sensor

Room Temperature Sensor

XE-6330-001

An indoor sensor in modern housing design measures the temperature in the range of -30 up to +60°C in gasiform medium. The temperature probe can be mounted directly on-wall or onto a junction box by 2 fixing screws. The extra wide ventilation slots ensures a good air circulation for a high accuracy of measurement.

- Measurement range temp: -30 to +60°C
- Sensor: Pt100
- Circuit type: 2-wire connection
- Measurement current: approx. 1 mA
- Electrical connection: screw terminals max. 1,5 mm²
- Leakage resistance: > 100 MOhm, at +20°C (500 V DC)
- Housing: ABS polymer, colour signal white like RAL 9003
- Dimensions: Housing: L 82 x W 82 x H 25 mm
- Weight: 55g
- Protection type: IP30
- Protection class: III
- Storage temperature: -20...+50°C
- Installation: on-wall or on flush-mounted box
- Standards: CE-conformity, GOST, RoHS

Environmental Sensors

Ceiling Temperature Sensor

XE-6331-001

A ceiling sensor in modern, invisible housing design measures the temperature in the range of -30 up to +60°C in gasiform medium. The temperature sensor can be directly mounted by using 2 springs in a suspended ceiling or plasterboard wall.

- Measurement range temp: -30 to +60°C
- Sensor: Pt100
- Circuit type: 2-wire connection
- Measurement current: approx. 1 mA
- Electrical connection: stripped ends with ferrules
- Cable: 135 mm silicone cable (2x0,75 mm², max. +180°C)
- Leakage resistance: > 100 MOhm, at +20°C (500 V DC)
- Housing: aluminium, colour signal white like RAL 9003
- Dimensions: Housing: Ø 23 mm, Cover: Ø 30 mm
- Protection type: IP30
- Protection class: III
- Storage temperature: -20...+50°C
- Installation: in the false ceiling by 2 tension springs
- Standards: CE-conformity, GOST, RoHS

Radiation Pendulum Temperature Sensor

XE-6332-001

A room pendulum sensor measures the thermal radiation in the range of -30 up to +75°C e.g. in high rooms and is with all current sensors available. The temperature sensor is simply suspended as a pendulum in the room so an accurate measurement result of the perceived room temperature is ensured.

- Measurement range temp: -30 to +75°C
- Sensor: Pt100
- Circuit type: 2-wire connection
- Measurement current: approx. 1 mA
- Electrical connection: stripped ends with ferrules
- Cable: 2 m PVC cable (2x0,25 mm², max. +105°C) with core cable ends
- Leakage resistance: > 100 MOhm, at +20°C (500 V DC)
- Material: Globe: aluminium (black)
- Dimensions: Globe: Ø 70 mm
- Protection type: IP65
- Storage temperature: -20...+70°C
- Installation: screw fastening
- Standards: CE-conformity, GOST, RoHS

Room Radiation Temperature Sensor

XE-6333-001

A radiation sensor in modern housing design measures the thermal radiation in the range of -30 up to +75°C in gasiform medium. The temperature probe can be mounted directly on-wall or onto a junction box by 2 fixing screws.

- Measurement range temp: -30 to +75°C
- Sensor: Pt100
- Circuit type: 2-wire connection
- Measurement current: approx. 1 mA
- Electrical connection: screw terminals max. 1,5 mm²
- Leakage resistance: > 100 MOhm, at +20°C (500 V DC)
- Housing: ABS polymer, colour signal white like RAL 9003
- Cable gland: at the backside of the housing
- Material: Globe: aluminium (black)
- Dimensions: Housing: L 82 x B 82 x H 25 mm, Globe: Ø 40 mm
- Protection type: IP30
- Storage temperature: -20...+70°C
- Installation: on-wall or on flush-mounted box
- Standards: CE-conformity, GOST, RoHS

Environmental Sensors

Outdoor Radiation Temperature Sensor

XE-6334-001

A radiation sensor measures the thermal radiation in the range of -30 up to +75°C and is with all current sensors available. The temperature probe can be mounted in climate-sensitive areas e.g. on outside walls, whereby the humidity-proof plastic housing protects the sensor optimally from outside influences.

- Measurement range temp: -30 to +75°C
- Sensor: Pt100
- Circuit type: 2-wire connection
- Measurement current: approx. 1 mA
- Electrical connection: screw terminals max. 1,5 mm²
- Leakage resistance: > 100 MOhm, at +20°C (500 V DC)
- Housing: polyamide with snap closing screws, colour white like RAL 9010
- Cable gland: PG11 high-strength cable gland with strain relief
- Material: Globe: aluminium (black)
- Dimensions: Globe: Ø 40 mm
- Protection type: IP65
- Storage temperature: -20...+70°C
- Installation: screw fastening
- Standards: CE-conformity, GOST, RoHS

Contacting Temperature Sensor with Clamping Band

XE-6335-001

Contacting sensor measures the surface temperature from pipes in the range of -30 up to +110°C and is with all current sensors available. By means of the clamping strap supplied on the housing block, the temperature sensor is directly and securely attached to the cold or hot water line of heaters. The robust housing allows the use of equipment in harsh environments.

- Measurement range temp: -30 to +110°C
- Sensor: Pt100
- Type: 2-wire connection
- Measurement current: approx. 1 mA
- Electrical connection: screw terminals max. 1,5 mm²
- Leakage resistance: > 100 MOhm, at +20°C (500 V DC)
- Housing: polyamide with snap closing screws, colour white like RAL 9010
- Cable gland: PG11 high-strength cable gland with strain relief
- Material: Contacting block: aluminium
- Dimensions: Housing: L 64 x W 58 x H 34,5
- Protection type: IP65
- Working temperature: -30...+110°C
- Storage temperature: -20...+70°C
- Installation clamping band, band width 9 mm, chucking capacity 50-110 mm, galvanized steel (in scope of delivery)
- Standards CE-conformity, GOST, RoHS

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