

Digital thermometer XH-B310, -30°C - 800°C, 12V

Product codes:

Reference: AM7625

EAN13: -

UPC: 90251920



Product features:

Voltage: 12 V DC

Temperature range: -30°C - +800 °C

Accuracy: ± 0.3 °C

Product attributes:

Backlight color: Red, Green, Blue

Product description:

The XH-B310 digital thermometer is a panel-mounted measuring instrument designed for temperature measurement using a K-type thermocouple. It is suitable for installation in equipment, switchboards, laboratory sets and technical applications where continuous temperature display on the front display is required. The device works with an external temperature probe and is designed for DC power supply.

Technical specifications

- Model: XH-B310
 - Measurement type: digital thermometer
 - Sensor type: K-type thermocouple
 - Measuring range: -30 °C to +800 °C
 - Accuracy: ± 0.3 °C
 - Power supply: 5 to 12 V DC
 - Device operating temperature: -40 to 65 °C
 - Temperature sensor cable length: 50 cm
 - Power cable length: 20 cm
 - Device dimensions: 48 x 29 x 23 mm
 - Mounting hole: 46 x 27 mm
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- Weight: 20g

Functions and features

- Panel version for installation in the front panel.
- LED display for direct display of the measured temperature.
- Measurement using an external K-type thermocouple for a wide temperature range.
- Low DC voltage power supply.
- Suitable for continuous temperature monitoring in technical and industrial applications.
- An error message or unstable values may appear if the probe is faulty or connected incorrectly.

Ideal for

- Built-in temperature measurement in machines and devices.
- Laboratory and service measurement applications.
- Technical projects with external K-type thermocouple.
- Temperature monitoring in industrial and workshop conditions.

Package contents

- Digital thermometer XH-B310
- Type K temperature sensor with lead wire

Why choose this product?

- It combines a panel design, digital display and support for type K thermocouples.
- Allows measurements over a wide temperature range.
- It is suitable for integration into your own devices and measuring systems.
- DC power supply facilitates integration into electronic applications.

Installation and operating instructions

- Install the device in a panel opening of the appropriate size.
 - Observe the correct supply voltage and connection polarity.
 - Connect the K-type thermocouple firmly to the terminal block.
 - For the thermocouple, observe the correct polarity of the wires. If connected in the opposite direction, the measurement will not be correct.
 - If an error message or unstable values are displayed, check that the terminals are tight, the thermocouple is correctly polarityd, the probe wire is intact, and that the measured temperature does not exceed the instrument range.
 - A damaged or broken probe must be replaced.
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Safety notice

- The device is an electrical device designed for correct connection according to technical requirements.
- Incorrect power or probe connection may result in malfunction or damage to the instrument.
- Perform installation and connection with the power disconnected.
- When measuring high temperatures, take care to protect against burns and to ensure proper placement of the probe and wires.
- Protect the product from mechanical damage, short circuit and unsuitable operating environment.

Product gallery:

