OT60/150 – A/B

Universal USB humidity and temperature sensor in miniature design

The temperature sensor OT150-A is run directly by a USB Port of a computer. The OT60-A measures accurately up to 0.1 °C. In connection with the delivered measuring software is is a very flexible and precise measuring system with data logger limit monitoring.

FEATURES

- sends alert via network (wifi), sms, voice mail, e-mail, application
- real time measuring passed over to spreadsheet
- robust stainless steel housing with sinter filter (sensor head)
- miniature architecture
- calibrated digital sensor
- high-speed
- software for data logging, monitoring and general logging
- integrated USB 2.0 interface, electronic completely integrated in USB
- Connectable number of devices only by USB-System limited
- external power supply not necessary*

**By connecting several sensors at on time a power HUB with separate power supply may be necessary.*

ANWENDUNGEN

- measurement, recording and monitoring of temperature
- continuous logging of all measured values and alarm events

greenhouses | air and drying facilities | food industry | weather stations

ACCORDANCE TO THE FOLLOWING RULES AND NORMS

Emitted interference:		
test regulations:	*product norm*	EN 55022:1998+A1:2000+A2:2003
electrical interference field strenght		
fault-free operation:		
test regulations:	*product norm*	EN55024:1998+A1:2001
discharging of static electricity of EM fields		EN 61000-4-2
after		EN 61000-4-3

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TECHNICAL DATA

supply voltage ..... Supply by USB
current consumption ..... < 20mA
reaction time 75ms
protection class of the sensor IP40

sensor	description	measuring area
 **OT60-A**	Measuring sensor in stainless steel for temperature 6 mm x 50 mm length total weight: 60g	measuring area – 10 .. 60°C typ. ± 0.1°C at – 5 .. 45°C
 **OT150-A**	Measuring sensor in stainless steel for temperature 6 mm x 50 mm length total weight: 65g	measuring area – 50 .. 150°C typ. ± 0.3°C at – 10 .. 90°C
 **OT60-B**	Measuring sensor in stainless steel for temperature 6 mm x 50 mm length total weight: 60g	measuring area – 10 .. 60°C typ. ± 0.8°C at – 5 .. 45°C
 **OT150-B**	Measuring sensor in stainless steel for temperature 6 mm x 50 mm length total weight: 65g	measuring area – 50 .. 150°C typ. ± 1.0°C at – 10 .. 90°C

COMMUNICATION

USB ..... USB1.1 port (USB 2.0 compatible) for PCs with Windows operating system, Win7 & Win8, Win10

CABLE FOR OT60

cable type ..... MIK-C (black)
safety class IP40
area of temperature ..... -30°C to +80°C
length ..... standard 2m (customizable)

CABLE FOR OT150

cable type ..... silicon (auburn)
safety class IP40
area of temperature .....dormant: -60°C to +180°C moving: -50°C to +180°C temporary to +210°C
length ..... standard 2m (customizable)

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SICHERHEITSHINWEISE

The OT150 must not be used in applications where persons could be endangered or injured. It must also not be used as an emergency stop switch on systems and machines or in other safety-relevant areas!
The cable connection to the OT150 sensor must not be exposed to temperatures below -50°C or above +180°C, otherwise it may be damaged! This sensor has the protection type IP40 and is not waterproof.

UNIVERSAL SERIAL BUS

The Universal Serial Bus (USB) is a simple solution for connecting different devices with a PC.
The plug-ins for your USB device are normally at the back or side of your PC or at an external HUB.There are normally 2 or 4 USB connecting points at the PC or 4 to 7 at a HUB. If more connections are needed ports can be extended with one or more HUBs. These HUBs are available in computer shops. The USB interface of the OHT device has the USB 1.1 specification and is completely compatibel to USB 2.0.

After plugging in the USB sensor you will be automatically requested to install the driver if it is missing. If the driver was installed before you can directly start. The software continuously checks new devices and integrates the new page into the display if there is a new device. Sensors can be added or deleted while running the process.The PC needn´t be re-started. No external power supply is necessary because the sensors are supplied by the USB.

INSTALLATION OF USB DRIVERS

Plugging in your OMNI Sensor USB the first time, Windows will ask for installing an appropriate driver. OMNI SENSORS povides appropriate drivers together with the device. Choose the driver on the povided medium or download the correct version via OMNI SENSORS homepage. After downloading follow the instructions of your operating system.

ON REQUEST DELIVERABLE WITH DAKKS CERTIFI-

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