

ORION® Data logger for temperature and humidity

Application:

For environmental monitoring, e.g. during transportation and storage

Execution:

- Large display for current value indication and
- External temperature sensor connection
- Battery status indication
- User-friendly Windows software
- Hi-Lo visual and acoustic alarm

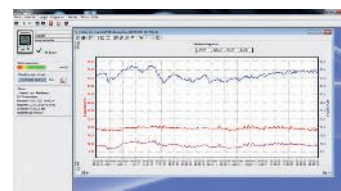
- Memory for up to 60,000 measured values with 3 variables
- Measuring interval adjustable from 1 second up to 24 hours
- High accuracy: $\pm 0.5^{\circ}\text{C}/\pm 3\%$
- Ident. No. 020:** Additional measurement of relative air humidity and dew point

Delivery:

USB data cable, Windows software on CD and battery (1x 3 V lithium type CR2032)



Data logger with temperature probes



Min./max. temperature measuring range	-30 to 70 °C	-30 to 70 °C
Digit increment (measuring instrument for temperature) (°C)	0.1	0.1
Temperature error limit (residual area) (°C)	0.7	0.7
Min./max. humidity (rF) of measuring range	-	0-99 %
IP protection class	IP 65	-
46200...	Ident. No. 010	020

Prod. Gr. 456

Accessories for		46200 010	46200 020
46200...	Temperature sensor, 40 x 3 mm, length 3 m	103	103
46200...	Temperature sensor, 40 x 3 mm, length 8 m	108	108

ORION® Infrared temperature measuring instruments

Application:

For measuring surface temperatures of rotating or live components

Execution:

- Error limit $\pm 2\%$ or $\pm 2^{\circ}\text{C}$
- Ident. No. 021:**
 - HOLD/max./min./difference
 - HI/LO limit value alarm
 - Unit: Can be switched between $^{\circ}\text{C}/^{\circ}\text{F}$
 - Display with backlight (optional activation)
 - Adjustable emission degree 0.10 to 1.00
 - Dot laser (Class II) sighting aid (optional activation)
 - Input for NiCr-Ni thermoelement sensor (type K)
- Ident. No. 041:**
 - HOLD/max./min./difference, additionally with AVG (average from measurement series) and lock (continuous measurement)
 - HI/LO limit value alarm
 - Unit: Can be switched between $^{\circ}\text{C}/^{\circ}\text{F}$

- Display with backlight (optional activation)
- Adjustable emission degree 0.10 to 1.01
- Dot laser (Class II) sighting aid (optional activation), with 2 laser beams to mark the measuring field size
- Input for NiCr-Ni thermoelement sensor (type K)
- Ident. No. 045:**
 - IP 54 splash-proof
 - Large backlit display for simultaneous visualization of measured values, max. and limit values
 - Two laser beams for indicating the measuring field size
 - LOCK function (continuous measurement)
 - Response time < 1 second
 - HOLD /max. function
 - Battery life 18 hours in continuous operation
 - Adjustable acoustic alarm

Delivery:

With battery in case.



Ident. No. 021



Ident. No. 041



Ident. No. 045

Min./max. temperature measuring range	-60 to 500 °C	-50 to 1000 °C	-60 to 550 °C
Digit increment (measuring instrument for temperature) (°C)	0.1	0.1	0.1
Min./max. emission ratio	-	-	0.1-1.0
Optical focus	11:1	50:1	12:1
Rechargeable battery/battery designation	1.5 V Mignon AA	9 V block	Micro AAA
46135...	Ident. No. 021	041	045

Prod. Gr. 456

ORION® Video infrared temperature measuring instrument with integrated humidity sensor

Application:

For non-contact measuring of dew points and surface temperatures. Ideal for indoor climate specialists. Indoor climate measurements

Execution:

- Double target laser
- HOLD, MAX, MIN functions
- Switch display between °C/°F
- USB port
- Error limit $\pm 2\%$ or $\pm 2^\circ\text{C}$

Advantage:

- Large 2.2 inch TFT colour display
- Input for thermocouple sensor NiCrNi (type K)
- Large measured value memory (micro-SD card slot)
- IR temperature measuring device with integrated humidity sensor
- Applications are displayed as JPG images with measured values and date stamps

Delivery:

Sturdy transport case, USB cable, mains plug with USB connection, incl. temperature sensor TYP K, small camera tripod



Min./max. temperature measuring range	-50 to 1000 °C
Optical focus	50:1
46135...	Ident. No. 100

Prod. Gr. 456

ATORN® Infrared temperature measuring instruments

Application:

For measuring surface temperatures of rotating or live components

Execution:

- Temperature display in °C and °F
- Backlit display, switchable
- Alarm functions: acoustic and visual HIGH/LOW alarm
- Target laser (class II a) for precise aiming on measured object, switchable
- Measuring functions: Min./max./scan/Hold/OFF
- USB interface

Ident. No. 011:

- Consistently small measuring spot of 13 mm at any distance of up to 140 mm

- Error limit $\pm 1\%$ or $\pm 1^\circ\text{C}$ from 0°C to 530°C $\pm 1^\circ\text{C}$ $\pm 0.07^\circ\text{C}$ from 0°C to 32°C

Ident. No. 030:

- Equipped with X-shaped laser for easy detection of actual measuring field size
- DFL laser function (dual-focus laser): The 75:1 standard lens can be switched over to a close focus lens (focus 62:1, spot size diameter 1 mm at a distance of 62 mm) via a lever adjustment, ideal for inspecting small electronic components, for example
- Error limit $\pm 0.75\%$ or $\pm 0.75^\circ\text{C}^*$
- Measured value memory for up to 100 values

Delivery:

Ident. No. 011: With batteries in case

Ident. No. 030: With batteries in case, incl. USB cable and Windows software



Ident. No. 011



Ident. No. 030

Min./max. temperature measuring range	-32 to 530 °C	-35 to 900 °C
Digit increment (measuring instrument for temperature) (°C)	0.1	0.1
Min./max. emission ratio	0.1-1.0	0.1-1.1
Optical focus	20:1	75:1 + DFL
Rechargeable battery/battery designation	9 V block	Mignon AA
46150...	Ident. No. 011	Ident. No. 030

Prod. Gr. 490

MORE THAN 60,000 PRODUCTS FOR MAXIMUM INNOVATION.

WE HAVE WHAT IT TAKES.

For a complete range of products that meet the toughest demands, visit www.iconridge.com

ORION® Temperature/humidity measuring instrument

Application:

For measuring indoor climates

Execution:

- Running display
- Max-hold display
- Min-hold display
- Energy-saving Auto-OFF function

Advantage:

- Handy device size and easy one-hand operation
- Automatic display illumination with brightness sensor

- Large digits for clear view of measured values

Delivery:

Battery (1x 9 V block battery, type 6 LR 61)

Technical data:

- Min./max. temperature measuring range: -20 to 60 °C
- Temperature error limit: 0.5 °C
- Min./max. humidity (rF) of measuring range: 0-99 %
- Humidity (rF) error limit/conditions: 5 % / from 20 to 70%
- Humidity (rF) error limit, residual area: 7 %



46210...

Ident. No.

010

Prod. Gr. 456

ORION® Flow meter (anemometer)

Application:

For simple measurements of air-conditioning ventilation systems.

Execution:

- Running display
- Max-hold display
- AVG display (average value)
- Switch between units of display: m/s, km/h, ft/min., MPH, knots
- Energy-saving Auto-OFF function

Advantage:

- Handy device size and easy one-hand operation

- Automatic display illumination with brightness sensor
- Large digits for clear view of measured values

Delivery:

Battery (1x 9 V block battery, type 6 LR 61)

Technical data:

- Min./max. current of measuring range: 0.4-25 m/s
- Digit increment, current: 0.01 m/s
- Current error limit (+/-): 0.45 m/s
- Min./max. working temperature: 0 to 40 °C



46210...

Ident. No.

020

Prod. Gr. 456

ORION® Light intensity measuring instrument (luxmeter)

Application:

For monitoring lighting conditions in workplaces, warehouses, industrial buildings and residential buildings.

Execution:

- Automatic zero point calibration
- Max-hold display
- Switch between units of display: LUX Fc
- Energy-saving Auto-OFF function

Advantage:

- Handy device size and easy one-hand operation

- Automatic display illumination with brightness sensor
- Large digits for clear view of measured values

Delivery:

Battery (1x 9 V block battery, type 6 LR 61)

Technical data:

- Digit increment, illumination: 0.01 lx
- Illumination error limit (+/-): 5 lx
- Min./max. working temperature: 0 to 40 °C



46210...

Ident. No.

030

Prod. Gr. 456

ORION® Sound level measuring instrument

Application:

For monitoring permissible noise pollution levels, e.g. in workplaces.

Execution:

- Running display
- Max-hold display
- Min-hold display
- Energy-saving Auto-OFF function

Advantage:

- Handy device size and easy one-hand operation

- Automatic display illumination with brightness sensor
- Large digits for clear view of measured values

Delivery:

Battery (1x 9 V block battery, type 6 LR 61)

Technical data:

- Min./max. sound-pressure-level measuring range: 40-130 dB
- Digit increment, sound-pressure level: 0.1 dB
- Sound-pressure-level error limit (+/-): 3.5 dB
- Min./max. working temperature: 0 to 40 °C



46210...

Ident. No.

040

Prod. Gr. 456