ORION[®] Temperature measuring instrument with universal sensor With universal probe

I Swite	ch between °C/°F	DHIDS 183
	-	=
Min./max. temperature measuring range		
Digit increment (measuring instrument for temperature) (°C) Length x width x height		
ldent. No.	200 ●	
	I • Swith • Error Notes Can or rre) (°C)	Error limit ± 1% ±1°C Notes: Can only be used with supplied sensor up to 550° -64 to 1370 °C re) (°C) 78 x 43 x 20 mm 200

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• temperature measuring instruments 2-channel and 4-channel

Application:

For measuring temperature differe	nces
i or medoaring temperature amere	11000

Execution:

- Displays differential temperature
- USB interface
- Input for thermocouple, type K
- Digit increment 0.1°C from -199.9°..+199.9°C, otherwise 1.0°C
- Ident. No. 220:
- 2 simultaneous measurements
 Error limit ± 0.1% ±0.7°C
- Ident. No. 240:
- Ident. No. 240:

4 simultaneous measurements

- Configuration via software or logger keyboard
 Data logger function for storing 16,000
- measurements
- Backlight
 Error limit ± 0.3% ±1.0°C

Delivery:

Ident. No. 220: Measuring instrument, battery, 2x type K thermocouple wire, length 90 cm, measuring range -50° to +200°, operating instructions

Ident. No. 240: Measuring instrument, battery, software, readout cable, 2x type K thermocouple wire, length 90 cm, measuring range -50° to +200°, operating instructions



Ident. No. 220

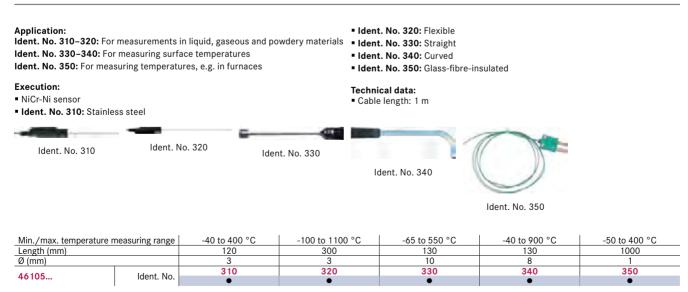


Ident. No. 240

Min./max. temperature measuring range			-200 to 1370 °C 184 x 64 x 30 mm
Length x width x height 46105	2-channel	Ident. No.	220
46105	4-channel	Ident. No.	240

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temperature sensor



Prod. Gr. 456

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DRION[®] 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

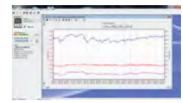
- Memory for up to 60,000 measured values with 3
- variables · Measuring interval adjustable from 1 second up to 24 hours
- High accuracy: ±0.5°C/± 3%
- Ident. No. 020: Additional measurement of relative air humidity and dew point

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 (meas- uring 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 Io	ldent. No.	010	020
	ident. No.	•	•

Prod. Gr. 456

Accessories for		46200 010	46200 020
46200 Temperature sensor,	Ident. No.	103	103
40 x 3 mm, length 3 m		●	●
46200 Temperature sensor,	Ident. No.	108	108
40 x 3 mm, length 8 m		●	●

DRION[®] Infrared temperature-measuring instruments

Application:

For measuring surface temperatures of rotating or live components

Execution:

- Error limit ±2% or ± 2°C
- Ident. No. 021:
- HOLD/max./min./difference
- HI/LO limit value alarm
- Unit: Can be switched between °C/°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 °C/°F



Ident. No. 021

- 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</p>
- HOLD /max. function
- Battery life 18 hours in continuous operation
- Adjustable acoustic alarm

Delivery:





Ident. No. 045

Min./max. temperature measuring rar	ige	-60 to 500 °C	-50 to 1000 °C	-60 to 550 °C
Digit increment (measuring instrument ture) (°C)	t for tempera-	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 designa	tion	1.5 V Mignon AA	9 V block	Micro AAA
46135	Idaat Na	021	041	045
	Ident. No.		•	•

Ident. No. 041

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With battery in case.



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
- 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
- Measuring functions: Min./max./scan/Hold/OFF
- USB interface
- Error limit ±0.75% or ± 0.75°C*
- Measured value memory for up to 100 values

Delivery:

With batteries in case, incl. USB cable and Windows software

Min./max. temperature measuring range		-35 to 900 °C
Digit increment (measuring instrument for temperature) (°C)		0.1
Min./max. emission ratio		0.1-1.1
Optical focus		75:1 + DFL
Rechargeable battery/battery designation		Mignon AA
46150	ldent. No.	030
		•

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RION[®] 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

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	
Optical focus	
ldent. No.	100
	•
	ldent. No.

BOSC GTC 400 C

Application:

Immediate visualisation of temperature differences with intelligent documentation

Execution:

- Large 3.5 inch TFT LCD display
- Overlay of detailed live and thermal images (19,200 pixels) thanks to intelligent picture-in-picture technology for unique localisation of temperature differences
- USB port as well as optional app control
- Flexible battery system: May be operated with a 12V Li-ion battery or standard alkaline batteries

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000 Ident, No.

Advantage:

- Rapid data exchange and simple documentation of thermal images via the (optional) Bosch Measuring Master App
- Automatically displays the hottest / coldest pixels and thus helps to find vulnerabilities faster
- Direct processing of raw image data possible on the PC through GTC transfer software

Delivery:

1x battery 12V/1.5Ah, quick charger GAL 1230 CV, micro-USB cable, hand strap; in L-BOXX

Technical data:

• Min./max. temperature measuring range: -10 to 400 °C







Error limit ±2% or ± 2°C

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Infrared camera







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

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- 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:

Ident, No.

- 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

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