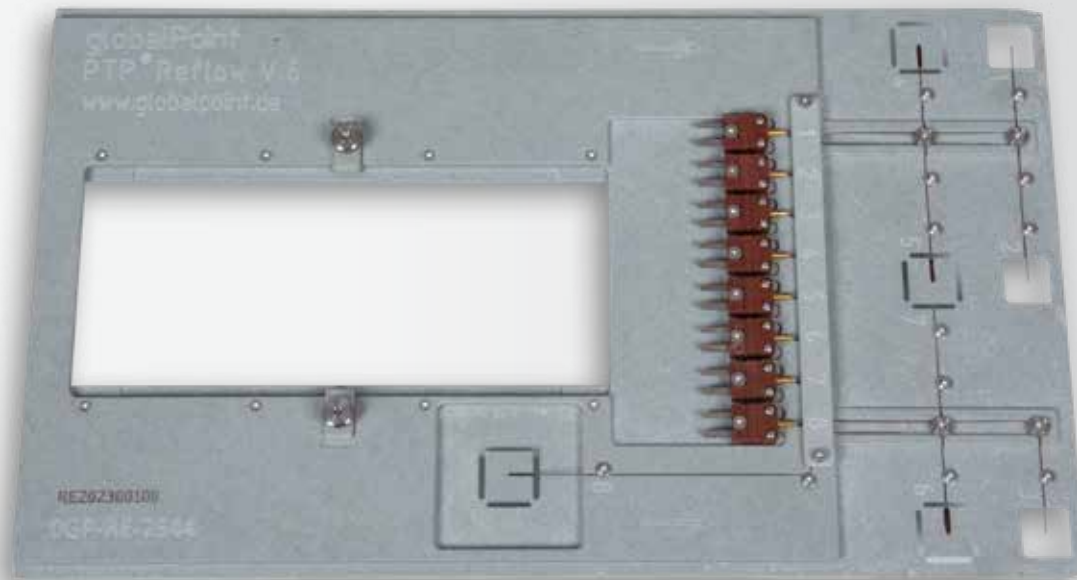


➤ Reflow-Convection

horus® measuring system for process recording, -analysis and optimization



Measuring board REFLOW V6 (0GP-RE-2544)

➤ Measuring board REFLOW V6

- Recording of the cross profiles and gradients over the entire transport length and width
- Measuring of thermal zone separation as well as atmospheric temperature
- Recording of the complete energy input of the system as a basis for evaluating the process capability of a PCB and comparison of the different soldering systems

The **measuring board REFLOW V6** and **measuring electronics horus®** make an ideal and versatile instrument for process recording, analysis and optimisation available. The **measuring board REFLOW V6** has eight thermocouples of the highest accuracy class. These are placed permanently stable on specially designed measuring fields. The **measuring board REFLOW V6** is used to check the system parameters as well as their optimisation in the soldering system.

The **horus® Shuttle** has been designed for the **measuring board REFLOW V6** and provides thermal protection for the **horus® electronics**. The extenders included allow the transport widths to be adapted accordingly. **horus®** transmits the measured temperature values in real time using the WIFI transmission

standard. No internet connection is required. **horus®** is optimally designed for the soft soldering process of reflow convection soldering. The exclusive use of standard interfaces enables maximum flexibility. A built-in NiMH rechargeable battery ensures at least two hours of continuous operation and requires an average time of 45 minutes to recharge. The integrated battery charge status display and monitoring of the internal electronics temperature ensure maximum safety and uninterrupted operation.

The **horus® software** provides outstanding solutions for parameter calculation, process evaluation, profile comparison and documentation. It also guarantees physically correct profile optimization after just one measurement.

➔ Reflow-Convection

Technical data & order information

TECHNICAL HIGHLIGHTS

- Intelligent WIFI connection enables data transmission and display in real time
- 8 measuring channels with 24 bit resolution
- Measuring interval 100 ms; measuring time up to 5 x 35 min
- Internal temperature monitoring and integrated triple thermal protection
- Electronics: RoHS-compliant with standard USB-C interface and miniature thermal connector
- Freely editable protocols with profile, gradient and module diagrams
- Automatic profile evaluation
- Precise profile prediction after only one measurement!
- Free software updates
- High-precision interpolating 7-point calibration
- Modern power management with NiMH rechargeable battery and charge state display in real time via radio signal as well as internal temperature display

TEMPERATURE MEASUREMENT

Measuring range	0 °C to 795 °C
Measuring accuracy	±0,5 °C
Resolution	0.1 °C
Measuring interval	0.1 s
Measuring channels	8 channels for Ni/CrN

DIMENSIONS HORUS® ELECTRONIC TRANSMITTER

Length	86 mm
Width	86 mm
Height	23 mm

DIMENSIONS MEASURING BOARD

OGP-RE-2544	Length	434 mm
	Width	250 mm
	Height	14 mm
OGP-RE-5044	Length	434 mm
	Width	500 mm
	Height	14 mm

SHUTTLE FOR THERMAL PROTECTION BOX

Length	224 mm
Width	101 mm
Width adjustable up to	310 mm
Height above pin chain	25 mm

DIMENSIONS THERMAL PROTECTION BOX

Length	211 mm
Width	101 mm
Height	30-33 mm

FURTHER SERVICES

Customer-specific measuring boards

Customer-specific software features

ORDER DATA

- **OGP-RE-2544 or OGP-RE-5044**



1x measuring board REFLOW V6 with 8 thermocouples Ni/CrNi

- **OGP-ME-V2**



1x horus® electronics + software
 1x calibration horus® electronics (incl. certificate with DKD reference)
 1x aluminium case with insert for electronics and Shuttle

- **OGP-SH002**



1x horus® shuttle, E-carrier and thermal protection