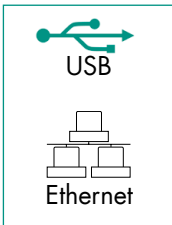







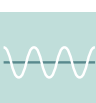
# High-precision calibration source

for voltage, current, thermocouples, RTDs, frequency and resistance



DIGISTANT® MODEL 4463 **NEW**



-  **Voltage source**  
±100.0000 V
-  **Current source**  
±50.0000 mA
-  **TC**  
Simulation of thermocouples
-  **RTD**  
Pt100 ... Pt1000,  
Ni100 ... Ni1000
-  **Resistance**  
10 Ω ... 300 kΩ
-  **Frequency**  
0.01 Hz ... 100 kHz

## High-precision calibration source for laboratory & production

Our calibration source is the smart, convenient and traceable answer to your calibration requirements. The DIGISTANT® 4463 enables fully automated test and simulation sequences for your measuring equipment or transducers.

- Including DAkkS calibration certificate
- Very good price-performance ratio
- Automatic sequence function (ramp function)

## DAkkS calibration

satisfies the highest standards and requirements. We or our partners are accredited in accordance with DIN 17025.



# High-precise, smart, comfortable and traceable ...

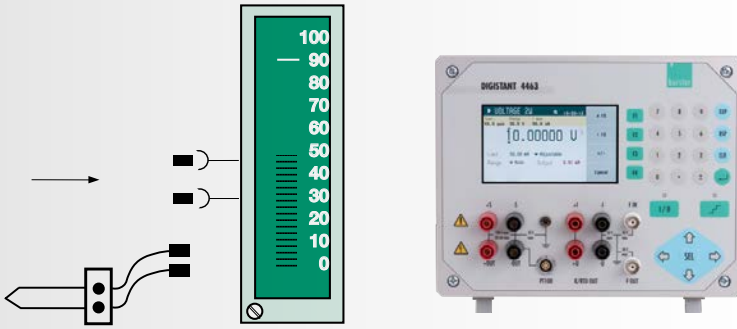


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## ↳ Simulation of thermocouples



### Highlights

- Simulation for 12 common thermocouple types

### Benefits

- EXTERN: Temperature measurement with Pt100 sensor
- MANUAL: Enter reference junction temperature in device

The reference junction temperature can be entered manually via the keypad. Alternatively, however, it is possible to automatically use an external reference junction, with the calibration data being taken into account in the device. External reference junction 4485-VOOX with thermally stable and decoupled design for precision simulation of thermocouples. If the reference junction is DAkkS-calibrated with the integrated Pt100 sensor and the calculated coefficients are entered in the DIGISTANT®, the additional measurement error for the Pt100 measuring channel can be reduced to  $\leq 0.1$  K for a measurement range of  $+15$  °C ...  $+35$  °C.

## ↳ Simulation of resistance thermometers



### Highlights

- Simulation of all common RTD temperature sensors

### Benefits

- Connection in 2- or 4-wire technology
- Simple process flow using the ramp function

Real resistance simulation for Ni100 ... Ni1000, Pt100 ... Pt1000. The temperature range for „simulation“ extends from  $-200$  °C to  $+800$  °C. Any of the units °C, °F and  $\Omega$  can be chosen.

## ↳ Calibration of PLC analog inputs



### Highlights

- High precision DC voltage
- High precision DC current

### Benefits

- Automatic sequence function (ramp function)

With the automatic sequence function (ramp function), for each measurement 32 sequences with a maximum of 100 steps can be saved and started manually or via the interface.