



Smooth Ranger

Wide range current measurement
for development, continuous and end-of-line applications



- current measurement of unit being tested in sleep mode, operation mode and load area of 1 μ A up to 100 amp
- voltage measurement up to 100 V
- measurement of reverse current
- automatic measuring range switching without signal gaps
- no influencing of test items
- no induction of interference voltage in the main current path
- Smooth Ranger desktop 1-channel
- Smooth Ranger advanced 3 - 10 channel



Technical datas

Measuring range for current	1µA to 25 A, 50 A or 100 A depending on model
Measuring range for voltage	±100 V
Measurement direction	Bidirectional and reverse currents
Measuring speeds	Adaptable depending on the measuring system
Interfaces	USB for Smooth Ranger desktop, Ethernet for Smooth Ranger advanced

Current Measurement

- sleep mode currents
- operating currents
- load currents
- reverse currents

Reactionless

- no impact on the device being tested
- the device being tested stays in sleep mode

Voltage measurement

- voltage proof up to 100V
- optimised sense control

Measuring range

- to suit your application
- 25 A, 50 A, 100 A
- higher currents available on request

Requirements

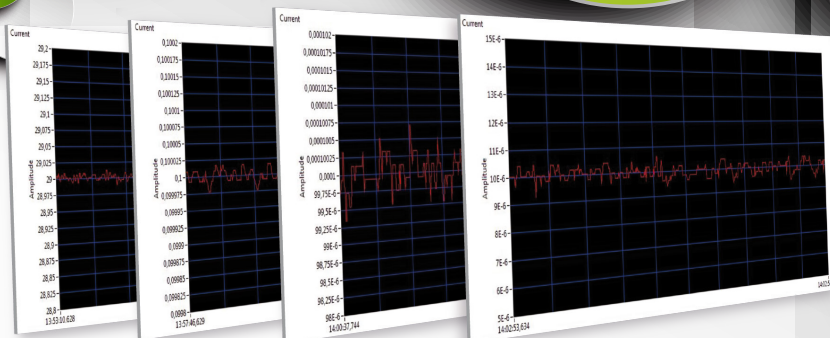
- as a pure current/voltage measurement
- optional additional functions
- LIN / CAN / K15 / PWM
- also available as a complete system including power supply

Continuous

- complete readings with no gaps
- analyses from the whole measurement cycle and of the transitions between operating modes

Number of channels

- from the Smooth Ranger desktop with one current/voltage measurement channel to the Smooth Ranger advanced with 10 channels



SmoothRanger software
Display, control, storage
API / DLL for integration into your system
environment

Smooth Ranger

Your system for
development, continuous
and end-of-line
applications

Made in Germany



ISO 9001 certified

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