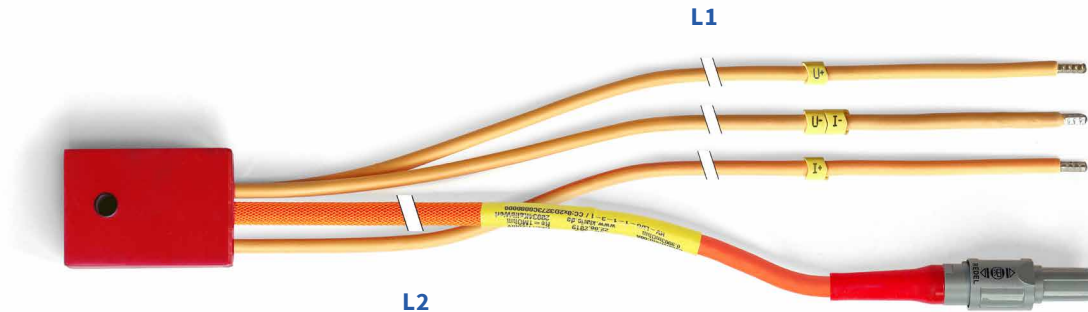


HIGH VOLTAGE SENSORS

HV-LP-PROBE



For shunt-based measurement of quiescent, operating, and peak currents from nA up to A as well as voltages in electrical systems in vehicles or test benches. Automatic probe identification.

Features

- Current and voltage measurement with one Probe
- Fuse protection of the measuring circuit is provided by the customer
- Potted housing with integrated current shunt
- Automatic Probe identification (similar to TEDS)

Scope of delivery

- HV-LP-PROBE
- Factory calibration certificate (DAkkS optional)

HV-LP-Probe Shunt values and measurement ranges

| Resistance [mΩ] | Continuous current [A] | Cable Cross size [mm ²] | Measurement range [A] | Resolution/Bit [μA] |
|--------------------|---------------------------|--|--------------------------|------------------------|
| 1000 | 1.05 | 1.5 | -0.24 / +1.05 | 0.3 |
| 500 | 2.1 | 1.5 | -0.48 / +2.1 | 0.6 |
| 100 | 6.5 | 1.5 | -2.4 / +10.5 | 3 |
| 50 | 9.5 | 1.5 | -4.8 / +21 | 6 |
| 25 | 12 | 1.5 | -9.6 / +42 | 12 |
| 10 | 21 | 4 | -24 / +105 | 30 |
| 5 | 25 | 4 | -48 / +210 | 60 |
| 2 | 40 | 4 | -120 / +525 | 150 |
| 1 | 58 | 6 | -240 / +1,050 | 300 |

Specification in each case in the smallest measuring range at room temperature (23°C)

Coding for order:

Name - Resistance - L1 - L2 - L3
 HV-LP - 1/.../1000 - 0 - 1...5 - 0