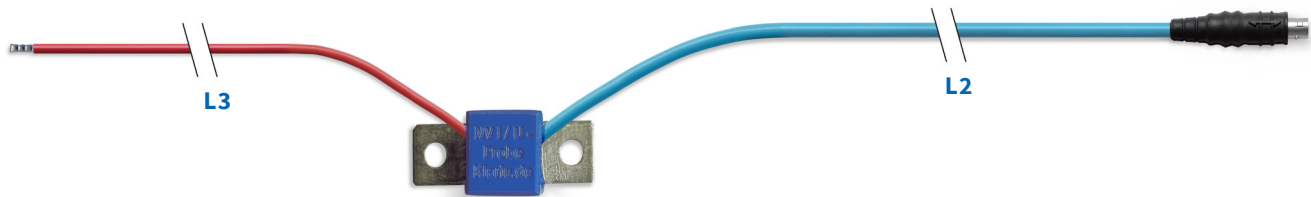


## LOW VOLTAGE PROBES

# HP-PROBE



HP-Probe for measuring quiescent, operating and peak currents as well as voltages in the vehicle or on test benches, in 12 V, 24 V or 48 V vehicle electrical systems. Automatic probe identification.

### Features

- For applications up to 420 A continuous current (depending on type)
- High-precision shunt-based current measurement for quiescent and operating currents
- Voltage measurement (up to 80 V)
- Automatic probe recognition (similar to TEDS)
- Suitable for FUSE3, CORD5 and MOD MC5

### Version

- Dimension BF1: 20/17,5/20 mm (L/W/H)
- Dimension BF2: 28/27,5/20 mm (L/W/H)
- Dimension BF3: 57/31,5/20,5 mm (L/W/H)
- Type: BF1, BF2, BF3
- Temperature range -40°C to +130°C (-40°F to 266°F)

### Scope of delivery

- HI-PROBE
- Factory calibration certificate (DAkkS optional)

### Accessories

- Battery connection cable set with pole clamps
- NV-Probe extension cable

### BF1 Shunt Values

Resistance [mΩ]	Measurement range [A]	Resolution/Bit** [mA]	Continuous current ** [A]
2	-150 bis +360	0,125	60
1	-300 bis +720	0,25	80
0,5	-600 bis +1.440	0,5	120
0,2	-1.500 bis +3.600	1,25	150

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

\*\* KLARI-FUSE3/KLARI-CORD5/KLARI-MOD MC5

## LOW VOLTAGE PROBES

# HP-PROBE



### BF2 Shunt Values

Resistance [mΩ]	Measurement range [A]	Resolution/Bit** [mA]	Continuous current [A]
2	-150 / +360	0,12	80
1	-300 / +720	0,3	120
0,5	-600 / +1.440	0,6	130
0,2	-1.500 / +3.600	1,5	180
0,1	-3.000 / +7.200	3	310

\* Specification in each case in the smallest measuring range at roomtemperature (23°C)

\*\* KLARI-FUSE3/KLARI-CORD5/ KLARI-MOD MC5

Connection of the shunts via copper bar 20x3x200 mm

### BF3 Measurement Ranges

Resistance [mΩ]	Measurement range [A]	Resolution/Bit** [mA]	Continuous current [A]
0,05	-6.000 / +14.000	5	350
0,0375	-8.000 / +19.200	6.6	380
0,025	-12.000 / +28.800	10	420

\* Specification in each case in the smallest measuring range at roomtemperature (23°C)

\*\* KLARI-FUSE3/KLARI-CORD5/ KLARI-MOD MC5

Connection of the shunts via copper bar 20x3x200 mm

### U-Probe Measurement Ranges

Gain	Measurement range [V]	Resolution [mV/Bit]
100	± 6	0,2
40	± 18	0,6
25	± 28	0,9
5	± 140	5
1	-160/+700	24

### Code for Order:

Name - Resistance - L1 - L2 - L3  
 HI/U-BFX - 0,005/.../2 - 0 - 1...5 - 0,5