

Differentials probes

OPTIONS
Mains adapter for ISOL probes



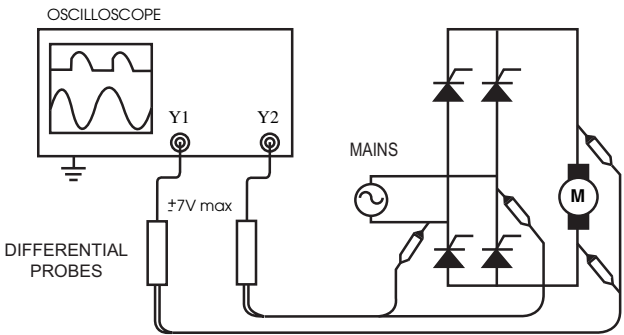
ISOL-710



DP25



These probes are used for displaying and measuring of dangerous voltages with a Class I oscilloscope, in accordance with the user safety standards. In fact, the image voltage applied to the oscilloscope is no more than a few volts. On the other hand, by using two probes the voltages applied to the oscilloscope inputs are isolated from one another. So, differential probes can measure high voltages (DP50) and/or voltages which relate to different potentials, without any risk of short-circuiting through the base of the oscilloscope.



| REF. | ISOL-710 | ISOL-720 | DP25 |
|----------------------------------|-------------------------------------|------------------------------------|---|
| Channel | 1 | 1 | 1 |
| Bandwidth to -3dB | DC to 25MHz | | |
| Attenuation ratio | 1/10 and 1/100 | 1/20 and 1/200 | 1/20 1/50 1/200 |
| Measurable input voltage DC + AC | 140Vpp on 1/10 1400Vpp on 1/100 | 280Vpp on 1/20 2000Vpp on 1/200 | respect. 200Vpp / 500Vpp / 1400Vpp |
| Output voltage to oscilloscope | +/- 7V | | +/- 5V |
| Max. differential input voltage | 1000Vrms | | |
| Max common mode voltage (1) | 500Vrms | 1000Vrms | 600Vrms |
| Input impedance | 4 MΩ / 5pF | | 4 MΩ / 1,2pF |
| Rise time | 14 ns | | |
| Accuracy | 2% | | |
| CEI1010 cat III Pol 2 | 1000Vrms | | 600Vrms |
| Power source | Battery (4 x LR6) and mains adapter | | Mains adapter 230V 50/60Hz |
| Dimensions / Weight | 158 x 62 x 20mm / 290g | | 210 x 58 x 35mm / 200g |
| Supplied accessories | Rubber jacket + test clip | | Holster + test clips + mains adapter |

(1) Common mode voltage: voltage between, on one hand, the interconnected inputs and on the other hand the ground or the BNC terminal on the oscilloscope

Oscilloscope not supplied



ISOL-712



COMPACT DIFFERENTIAL PROBES

Ergonomic solutions of differential probes, supplied from mains, with 2 or 4 channels according the models. The housing is strong enough to put an oscilloscope on top.

RMS CONVERTER FOR CURRENT PROBES

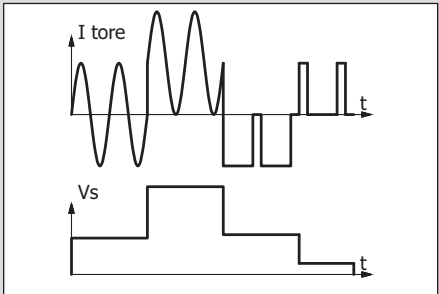


ref. ADA-SONDE

ADA-SONDE converts any complex signal, even with superimposed continuous component, into a continuous signal image of the RMS value of the input signal. Connects between a current or voltage probe and an oscilloscope.

| Accuracy* | Bandwidth |
|-----------|--------------|
| 1% | DC to 30KHz |
| 10% | DC to 100KHz |

* For input sine-wave signal 100mV



Gain is 1
Thus if $V_e = 1V_{rms}$, $V_s = 1VDC$
Max input voltage: $\pm 1V$

Supplied with mains adapter and 2 BNC cables



| REF. | ISOL712 | ISOL714 | ISOL722 | ISOL724 |
|----------------------------------|------------------------------------|---------|------------------------------------|---------|
| Channel | 2 | 4 | 2 | 4 |
| Bandwidth to -3dB | DC to 25MHz | | | |
| Attenuation ratio | 1/10 and 1/100 | | 1/20 and 1/200 | |
| Measurable input voltage DC + AC | 140Vpp on 1/10 1400Vpp on 1/100 | | 280Vpp on 1/20 2000Vpp on 1/200 | |
| Output voltage to oscilloscope | +/- 7V | | | |
| Max. differential input voltage | 1000Vrms | | | |
| Max common mode voltage (1) | 500Vrms | | 1000Vrms | |
| Input impedance | 4 MΩ / 5pF | | | |
| Rise time | 14 ns | | | |
| Accuracy | 2% | | | |
| CEI1010 cat III Pol 2 | 1000Vrms | | | |
| Power source | Mains 230V | | | |
| Dimensions / Weight | 300 X 65 X 350mm | | | |
| Supplied accessories | 2 or 4 BNC leads (25cm) | | | |

(1) Common mode voltage: voltage between, on the one hand, the interconnected inputs and on the other hand the ground or the BNC terminal on the oscilloscope