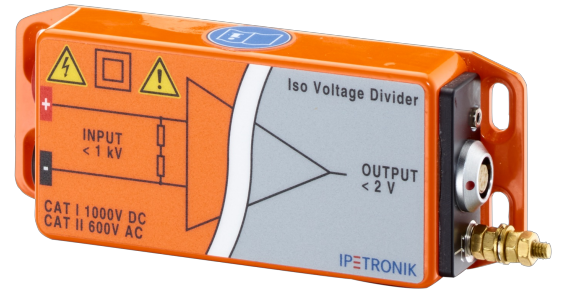


HV Iso Divider 100 kHz

DC high-voltage divider up to 1 kV input range

- Bandwidth up to 100 kHz
- Reliable voltage measurement on high-voltage DC systems
- Electrically isolated high-voltage divider
- For hybrid and electric vehicle applications
- Direct connection to SENS modules
- Approved applications according to CAT I and CAT II



Input HV	
Input socket	4 mm safety banana plugs
Measurement range	±1000 V (other ranges on request)
Accuracy at ambient temperature -20 ... 70 °C (-4 ... 158 °F)	±0.50 %
Accuracy	±0.20 %
Channel impedance	10 MΩ 22 pF (with HV cable 620-124.010)
Cut-off frequency	100 kHz (max. input cable length 1 m)
Hardware filter	Bessel (6-pole)
* Safety instructions	Do not use HV Iso Divider for applic. on AC voltages of three-phase current drives in e & hybrid vehicles, due to the extremely high transient voltages & HF currents generated by drive train systems! Users working on HV applic. must be trained & approved.
Galvanic isolation	
Test voltage	3536 VAC @ 50 Hz (sinusoidal)
Application according to CAT I	±1000 VDC
Application according to CAT II	±600 VDC 600 VAC @ 50 ... 60 Hz (sinusoidal)
Device	
Inputs	1
Maximum input protection voltage (channel)	±1000 V (indefinitely)
Voltage supply	15 VDC
Power consumption, typical	0.6 W
Working temperature range	-20 ... 70 °C (-4 ... 158 °F)
Storage temperature range	-30 ... 70 °C (-22 ... 158 °F)
IP-Code	IP 67 (ISO 20653 - 2013)

Relative humidity	5 ... 95 %
Dimensions	W126 mm x H50 mm x D25 mm (4.96 in x 1.97 in x 0.98 in)
Weight	120 g (0.26 lb)
Output socket	ODU Series F, Size 1 (6-Pin)
Output signal	±2 V
Degree of pollution	2
Max. Altitude	2000 m
Accessories	
System cable	620-629
Input cable	620-124