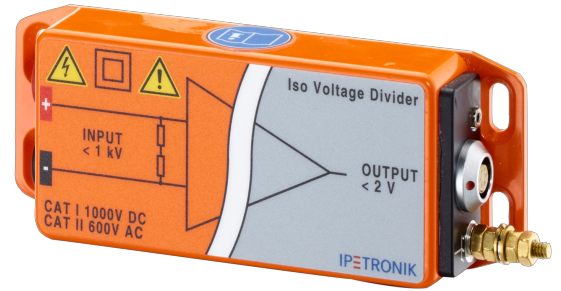


HV ISO Divider

DC high voltage divider up to 1 kV measuring range

- Bandwidth up to 2 kHz
- Galvanically isolated high voltage divider
- Short-circuit current limitation via HV Current Limiter
- For applications on electric and hybrid vehicles
- Direct connection to SENS modules
- Permitted application areas according to CAT I and CAT II
- Use with HV Current Limiter



Input HV	
Input sockets	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 %
Genauigkeit bei Umgebungstemperatur 25 °C (77 °F)	±0.20 %
Channel impedance	21 MΩ 100 pF (with current limiter and HV cable)
Cut-off frequency	2 kHz (with max. length of measuring cable of 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	0.8 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	B126 mm x H50 mm x T25 mm (4.96 in x 1.97 in x 0.98 in)
Weight	120 g (0.26 lb)
Output sockets	ODU Series F, Size 1 (6-Pin)
Output signal	± 2 V
Degree of pollution	2
Max. Altitude	2000 m
Accessories	
System cable	620-640 620-629
Input cable	620-044 HV-Current Limiter