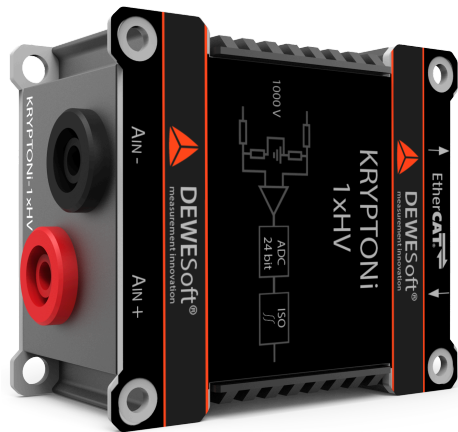


5.2.3. KRYPTONi-1xHV

KRYPTONi-1xHV has two banana front connectors for single channel high voltage measurement.



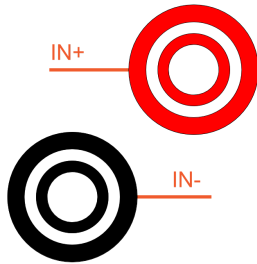
KRYPTONi-1xHV

5.2.3.1. KRYPTONi-1xHV: Specifications

Analog Input	
Input types	Voltage
Number of channels	1
ADC Type	24-bit SAR with anti-aliasing filter
Sampling Rate	40 kS/s (software-selectable)
Input range	±1000 V
Input accuracy	±0.03 % of reading ±0.2 V
Typ. Noise floor @ 10 kS/s	-96 dB
Typ. Noise floor @ 40 kS/s	-90 dB
Typ. CMR @ 400 Hz / 1 kHz	-
Gain Drift	Typ. 50 ppm (Max. 150ppm)
Offset Drift	Typ. 1.5 mV/K (Max. 4 mV/K)
Gain Linearity	-
Input Coupling	DC
Input Impedance	10 MΩ
Protection class	CAT IV 600 V, CAT III 1000 V
Overvoltage Protection	+2 kVpeak
Analog input performance	
Bandwidth (-3 dB)	0.49 fs
Alias-free Bandwidth	DC to 0.453 fs

Alias Rejection	-100 dB (all sample rates)
Delay Through ADC	37 / fs
Oversampling	32
Additional specifications	
Input connector	4 mm safety banana jack
Power	
Power Supply	9 - 48 V DC
Power consumption	1 W (typ.)
Environmental	
IP rating	IP65 / IP67 (see 1)
Physical	
Dimensions	62 x 56 x 36 mm
Weight	300 g
1) Depending on the mating connector types	

5.2.3.2. KRYPTONi-1xHV: Banana Connector: Pinout



Pin	Name	Description
1	In+	Input +
2	In-	Input -

HV connector: pinout (Banana plug)

5.2.3.3. KRYPTONi-1xHV: Wiring diagrams

Voltage

