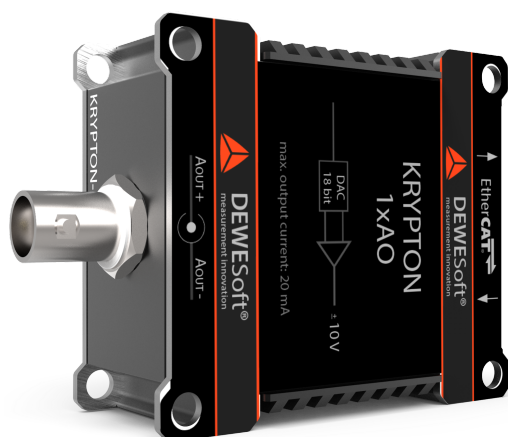


5.7. ANALOG OUTPUT (AO)

A single channel analog output module has a BNC connector and is the perfect module for output of voltage levels, or slow analog signals, e.g. calculated channels.

Currently, the module available is KRYPTON-1xAO.

5.7.1. KRYPTON-1xAO



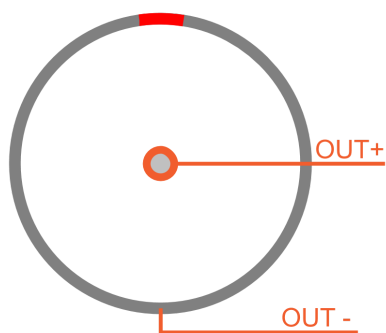
KRYPTON - 1xAO

5.7.1.1. KRYPTON-1xAO: Specifications

Analog Output	
Output types	Voltage
Number of channels	1
DAC Resolution	18 bit
Function	File replay, conditioned AI output, FGEN (software option), channel output
Update Rate	20 kS/s (5 kS/s with 3rd party master)
Analogue out bandwidth	4 kHz
Full Scale Output Range	±10 V
Accuracy (typ.)	0.1 % ±1 mV (0 to 20 mA load)
Temperature gain drift (typ.)	±10 ppm/K
Temperature offset drift (typ.)	±5 µV/K
SNR @ 1000 S/s output rate	92 dB (sine wave, 250 Hz, ±9 V)
THD	-90 dB
Output impedance	0.45 Ω DC
Maximum output current	20 mA
Settling time (0.05 % of set value)	30 µs @ 1000 Ω load, -10 V to 10 V step
Max slew rate	2.5 V/µs @ 1000 Ω load

Max capacitive load (2 % overshoot)	10 nF
Maximum load	500 Ω
Output protection	Short circuit protected
Additional specifications	
Output connector	BNC
Power	
Power supply	9 - 48 V DC
Power consumption	2 W (typ.)
Environmental	
IP rating	IP65 / IP67 (see 1)
Physical	
Dimensions	62 x 56 x 29 mm
Weight	250 g
1) Depending on the mating connector types	

5.7.1.2. KRYPTON-1xAO: BNC Connectors: Pinout



ACC connector: pinout (BNC)

Pin	Name	Description
1	Out +	Output +
2	Out -	Output -