

SR-VADC

Current/Voltage/ Frequency Converter

The interface converter box will extend the capability of the HPM meters by accepting high voltage, current and frequency inputs. The interface box transposes the signals in to quantities recognised by the meters thus enabling the measurement of parameters outside of the typical hydraulic system. It can be used to interface sensors such as torque, force and distance to compliment hydraulic measurements and record current requirements of solenoid valves. Actuator switching states can be monitored and RPM or other pulse data can be recorded.

Specifications

Operating Temperature:	0 to 60°C, 32 to 140°F
Storage Temperature:	-20 to 85°C, -4 to 185°F
Power Supply:	24 VDC \pm 2 V
Degree of Protection:	IP40 (EN60529)
Body Material:	ABS
Weight:	0.24 kg, 0.53 lb



Features

- Current, Voltage and Frequency interface to HPM meters.
- Has an SR and CAN interface for backwards compatibility and future proofing.
- Supply power for sensors.
- Provides galvanic isolation for sensor power.



Sales Order Code

Please contact our technical sales team to discuss any special order requirements.

MODEL NUMBER	DESCRIPTION
SR-VADC-710	VOLTAGE/CURRENT/FREQUENCY CONVERTER

General Parameters

		VOLTAGE DC	CURRENT DC	HIGH CURRENT DC	FREQUENCY
Measuring Range		-48 to 48	-20 to 20 mA	-4 to 4 A	1 - 5000 Hz (100 mV - 24 V)
Accuracy	Can	± 0.5% FS	± 0.5% FS	± 1.5% FS	± 0.1 % FS @ < 100 Hz ± 0.5 % FS @ > 100 Hz
	Analogue	± 1% FS	± 1% FS		± 1 % FS @>100Hz
Long-term Stability 0.1% Span					

External sensor power supply (galvanically isolated)

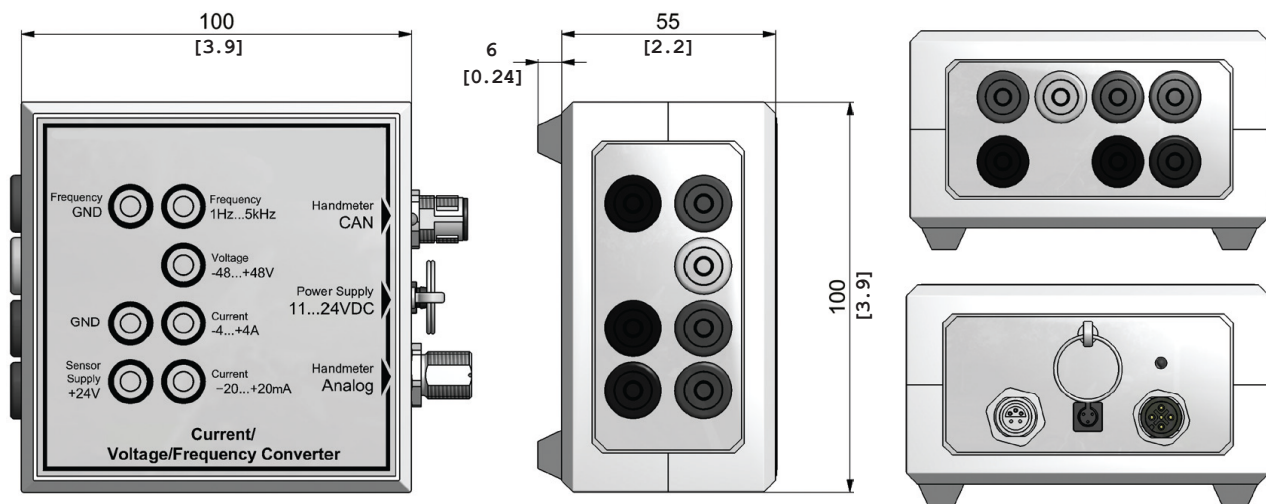
Current without power adaptor: 50 mA max
 Current with power adaptor: 100 mA max.
 External power supply type: 11 - 30 VDC

Connections

Measurement inputs: 4 mm banana jacks
 Analog output: 5 pin, push-pull 'Lemo'
 CAN output: 5 pin, M12x1, SPEEDCON®
 External power supply: 3 pin, socket

Installation Details

Dimensions in millimetres [Inches]



Webtec reserve the right to make improvements and changes to the specification without notice