

SR-VADC-710



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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.

Applications:

Torque/Flow/Pressure characteristics

Force/Path analysis

Proportional valve current consumption relative to flow and pressure.

Monitor pump and valve switch states relative to flow and pressure.

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



Hydraulic measurement and control



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General Parameters

	Voltage DC	Current DC	High Current DC	Frequency
Measuring range	-48 to +48 V	-20 to +20 mA	-4 to +4 A	1 - 5000 Hz 100 mV - 24 V
Accuracy	CAN: ± 0.5 % FS analogue: ± 1 % FS	CAN: ± 0.5 % FS analogue: ± 1 % FS	± 1.5 % FS	CAN: ± 0.1 % FS @ < 100 Hz ± 0.5 % FS @ > 100 Hz analogue: ± 1 % FS @ > 100 Hz
Long-term stability 0.1 % Span				

External sensor power supply (galvanically isolated)

Voltage: 24 VDC ± 2 V
 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

Environmental conditions

Operating temperature: 0 to +60 °C
 Storage temperature: -20 to +85 °C
 Rel. Humidity: < 80 %
 IP Rating: IP40 (EN60529)

Housings

Dimensions: 100 x 100 x 61 mm (W x H x D)
 Material: ABS
 Weight: 240 g

Dimensions

