



## Analog Converter 3927

*This converter will interface sensors with analog output directly to a SR 10 based measuring systems. The converter is specially designed to fit inside the RCM-9/11 or RDCP 600 pressure case.*

Aanderaa Instruments develops and manufactures a large variety of sensors for our SR 10 based measuring system.

All these sensors have the standard Aanderaa output, VR22 or SR10, and can be connected directly to the system.

If a sensor with analog output is to be used, the Analog Converter 3927 will interface the sensor with the system.

The converter is molded in Scotchcast with an aluminum cover. This makes the unit well suited

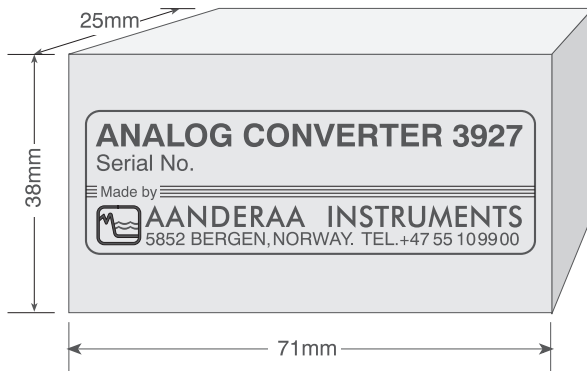
for use in a harsh environment. The converter is specially designed to fit inside the RCM-9/11 or RDCP 600 pressure case.

The input voltage from the sensor is converted to the SR10 type signal that is read by Aanderaa Sensor Scanning or Reading Units.

Standard input range is 0 - 5 volt. Other ranges are also available.

Contact the factory for more information.

# Specifications



Input Signal:	0-5Vdc
Available ranges:	0-2V, 0-10V and 0-15V
Output Signal:	SR10
Accuracy:	±0.2%
Input Protection:	Maximum 16V (Transorber SA16)
Supply Voltage:	8 to 14V (supplied by the Datalogger or Reading Unit). Positive ground
Current Drain:	1mA average during control voltage period. Quiescent: 10 µA
Operating Temperature:	-40 to +50°C
Electrical Connection:	Soldering lugs/threaded bushings
Material and Finish:	Aluminum, hard anodized 10-15µ
Weight:	110 grams
Dimensions:	71 x 38 x 25mm

## ELECTRICAL CONNECTION

	FUNCTION	COLOUR	CONNECTED TO:
T1	Signal Output (+)	Blue	Sensor
T2	Signal Gnd (-)	Green	Sensor
T3	Power in (+)	Yellow	Sensor
T4	Power Gnd (-)	Brown	Sensor
T4	-9V	White	Scanning Unit
T5	SR-10	Black	Scanning Unit
T6	System G nd	Grey	Scanning Unit
T7	Control Voltage	Violet	Scanning Unit
T8	Bridge Voltage	Blue	Scanning Unit
T9	Gain Control A&b	Orange & Red	Sensor



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