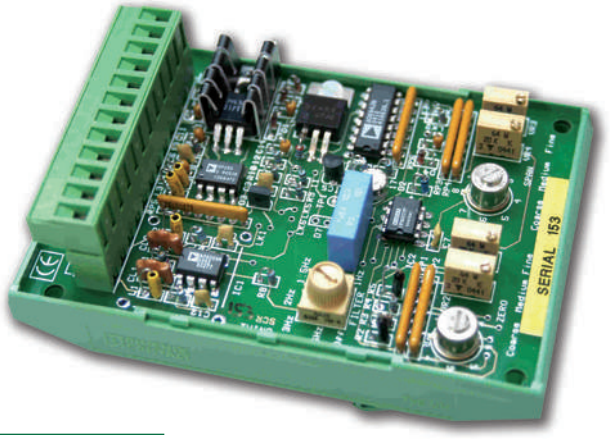
Variohm-Eurosensor Ltd
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EUROAMP UNIVERSAL 4-20mA, 0-10V AND 0+/-10V LOAD CELL AMPLIFIER

The EUROAMP is an industry proven load cell amplifier. Complementing Variohm's extensive range of load cells. This LOW COST amplifier offers a compact design to ensure a simple installation.



Euroamp Universal & Load Cell Amplifier Specifications

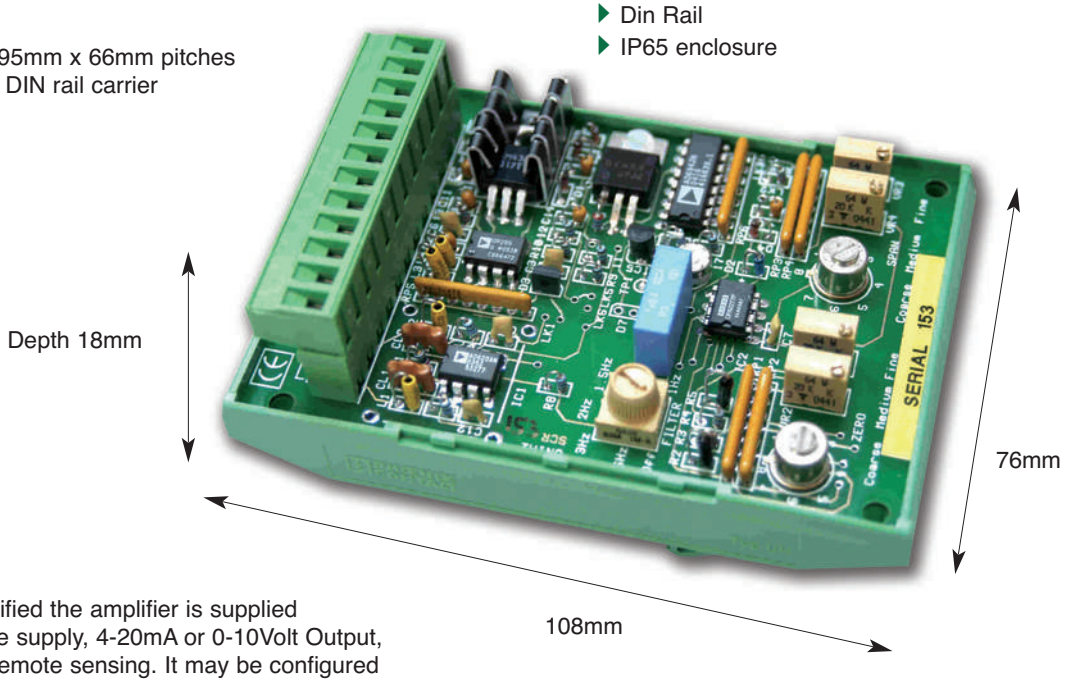
Power Supply	- 12 to 28 Volts DC regulated @ >120 mA +/-12 to +/-16 Volts DC regulated @120 mA for bi-directional systems
Excitation	- 10.00 Volts @120 mA
Bridge Sensitivity:	- 0.35 to 3.5mV/V
RF Immunity	- >1% error to EN 6100-4-3:1996 level 2 (80-1000MHz, 3V/m)
Output 1:	- 4-20mA or 4-12-20 mA into 0-1000 Ohm load (24 volt supply)
Maximum Output Current:	- 24mA
Output 2:	- 0/+5, 0/+10V or 0+/-5, 0+/-10V or 2.5 to 7.5V into > 4kOhms - Positive and Negative Offset (Zero) Suppression; -1.5 to +2.0mV/V in 7 switched steps. Medium & Fine 25 turn pots - Span (Range); 0.35-3.5mV/V in 7 switched steps. Medium & Fine 25 turn pots - O/p Filter; Time constants of 2, to 1000ms by single turn pot.
Zero Temperature coeff:	- 0.3 microVolt/degree C (typ)
Span Temperature coeff:	- 0.007%/degree C
Temperature Range:	- 20 to +50 degrees C
Connections:	- All connections by a 12 way two part connector

Dimensional Data

Mounting Options:

- PCB only
- Din Rail
- IP65 enclosure

Fixing:
4 x 4mm dia holes on 95mm x 66mm pitches
- slots into a standard DIN rail carrier



Configuration:
Unless otherwise specified the amplifier is supplied configured for :- Single supply, 4-20mA or 0-10Volt Output, 10 Volt excitation, no remote sensing. It may be configured as required by cutting or connecting links on the PC board

Terminal Connections

B	Transducer output negative
A	Transducer output positive
ES+	Sense positive Excitation
E+	Positive Excitation
E-	Negative Excitation
ES-	Sense negative Excitation
20mA	Current output source
10V	Voltage Output
0V	Reference 0 Volts
V+	Positive Supply
0V	Supply 0 Volts
V-	Negative Supply (bi-directional systems only)

Contact us...

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