

E308/9 Analogue Amplifier With Digital Display / Panel Meter



Compatible with
Most full bridge strain gauge transducers
Most amplified transducers from any manufacturer



Compatible with
Any standard RDP LVDT (without integral electronics).
Most LVDTs from any manufacturer.

- LVDT amplifier
- Strain gauge transducer amplifier
- Digital display module
- Voltage / 4-20mA output
- Limit trips
- Simple trimpot controls

Signal conditioning is required where the output of a transducer needs to be boosted or changed into a form suitable for the monitor or logging device which will be used. Our digital display units have a built-in monitor device in the form of the digital display as well as analogue output.

Both E308 and E309 have high and low limits with voltage-free relay outputs. The E308 has a shunt calibration facility to enable calibration checks to be made.

A very wide range of gain adjustment ensures that our amplifiers are compatible with the vast majority of LVDT and strain gauge sensors available from any manufacturer.

Although they have a digital display, these units are entirely analogue and are configured using switches and potentiometers, there is no set-up software to learn.

Specification		
Type		
		E308
		E309
Ac supply version		240Vac/120Vac (+5/-20%), 50/60Hz 10VA
Compatible with		Most full bridge strain gauge transducers Most amplified transducers from any manufacturer
Number of digits		4 ½, red LED (11mm)
Display update rate		2.5Hz
Transducer excitation		1.2V to 15V & -15V, 60mA
Signal input range		5mV to 90V
Output details		±10V / 4-20mA (loop resistance 0 Ohms to 500 Ohms)
Electrical output bandwidth		0 to 150Hz (3Hz with filter turned on)
Input impedance		2M Ohms
Linearity error		±0.02% F.S. typical
Output ripple (peak-to-peak)		10mV typical / 30uA typical
Temperature coefficient (zero)		±0.01% F.S. /°C (typical)
Temperature coefficient (span)		±0.01% F.S. /°C (typical)
Limit trips	Number of channels	2
	Operation time	5ms
	Contact rating	24Vdc (1A) / 120Vac (0.3A)
Operating temperature range		0°C to 50°C
Total weight		1.3kg

All dimensions and specifications are nominal.

Due to our policy of on-going development, specifications may change without notice. Any modification may affect some or all of the specifications for our equipment.

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