

# A50

## Universal Load Cell Amplifier



IP66 Enclosure

Voltage / Current Process Output

High Stability

A50 is a high stability load cell amplifier, suitable for industrial or laboratory measurement applications. Operating from 12 - 24Vdc supply it can power up to four 350Ω load cells.

Ideal for high resolution systems where a high level signal is required.

Available with Voltage or Current output, this unit can be supplied calibrated to any load cell or strain gauge bridge transducer and sealed to IP66 for permanent installation outdoors.

|                      |                                     |
|----------------------|-------------------------------------|
| Output               | 0 -10 V (A50V)<br>4 - 20 mA (A50C)  |
| Input Sensitivity    | 0.5 – 4 mV/V                        |
| Power Supply         | 12 - 24 Vdc                         |
| Bridge Excitation    | 10 V (150mA max.)                   |
| Power Consumption    | 1.6 W                               |
| Bandwidth            | 1kHz (-3db)                         |
| Zero Adjustment      | +/- 1 V (A50V)<br>4 to 10 mA (A50C) |
| Span Adjustment      | +/- 10 %                            |
| Temp. effect on Zero | 10 ppm/°C                           |
| Size                 | 64 x 58 x 34 mm<br>(External)       |

### Options :

- -10V/+10V output (A50VU)
- Can be supplied calibrated with any of our load cells
- Plug & socket connections

### Connections :

- Power & Signal - 3 wire integral cable
- Bridge - 4/6 wire load cells

### Order Codes :

A50V - 0-10V Output  
A50C - 4-20mA Output

The information provided is intended for product description only.  
Specifications are subject to change.  
Full product details available on request.

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