



Model AW486P

Load Cell Amplifier



Features

- High precision weighing amplifier with 24 bit resolution.
- 12-36vdc or 85-264vac power supply models.
- Profibus - DP communications to PLC's and computers.
- Standardised Gain enabling replacement without the need for vessel emptying or re-calibration.
- Adjustable filtering, down to 0.2Hz, for elimination of the effects of mechanical vibration.
- Security code protected calibration.
- Designed and manufactured in the UK.

Options

- DIN rail mount and wall mount options.
- IP65 Enclosure.

Description

The Model AW486P Load Cell Amplifier connects with a single set of up to 4 strain gauge load cells. It supplies 10V DC excitation, and amplifies and conditions the resultant return signal. From this signal and stored control and calibration data, the Instrument generates a gross/net weight signal for display and for transmission to PLC's and computers via Profibus-DP. The Model AW486P provides outstanding levels of accuracy and stability.

ENGINEERING SPECIFICATIONS

MODEL AW486P LOAD CELL AMPLIFIER

Specifications

Dimensions

DIN rail mounting 140 x 128 x 60 mm
Optional IP 65 enclosure 180 x 180 x 75mm

Supply voltage

12-36vdc or 85-264vac, universal fused power supply.

Input Range

0 - 20mV min; 0 - 25V max

Filter

0.2 to 20Hz active low pass.

Accuracy

Up to 65,000 divisions

Environmental conditions

Operation: 0°C to +50°C, Storage: -40°C to +80°C.

Load Cell Excitation

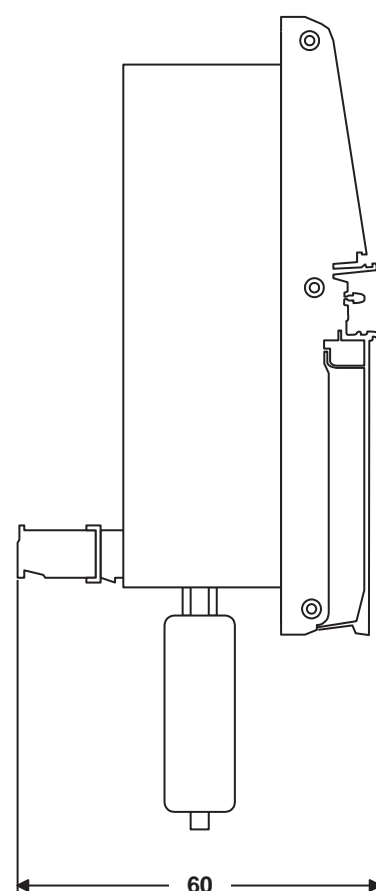
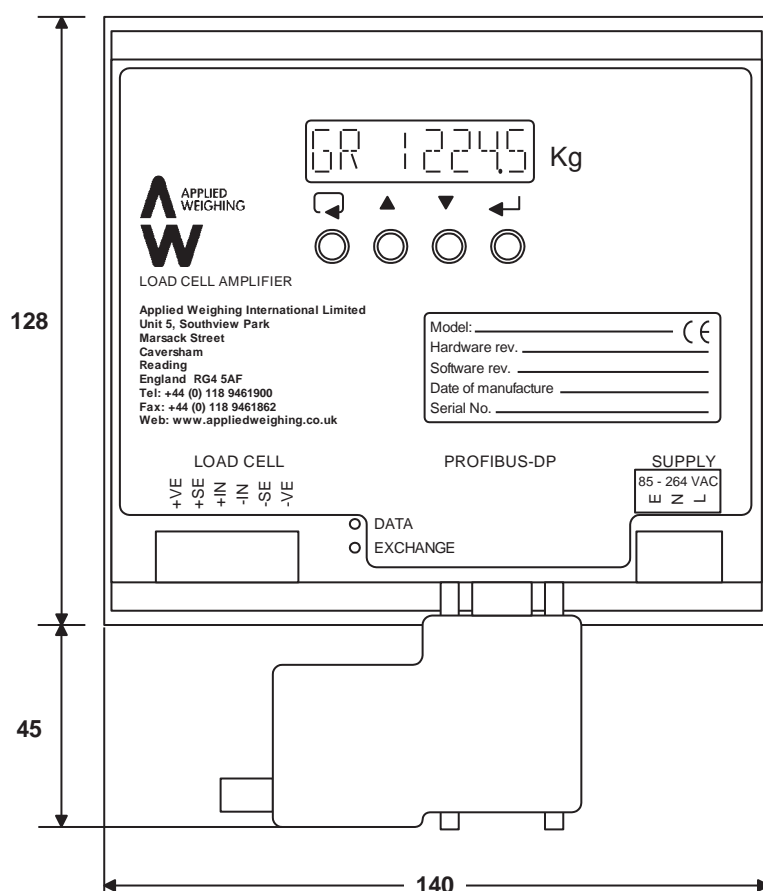
10vdc @ 125mA max, up to 4 off 350Ω load cells may be connected in parallel;
4 or 6 wire for volt drop compensation in long cables.

Profibus Connection

Via fixed female 9 way D type connector.
A loose matching male connector is supplied.
The Profibus address is set in EEPROM via the front panel.

PART NUMBERS

Part Number	Description	Part Number	Description
AW486P	Model AW486P dc (12-36vdc)	AW486P-D	Model AW486P ac (85-264vac)



Refer to installation documents before use.

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