

ADW15 Loadmeter

- ✓ Peak hold
- ✓ Up to 16 set points
- ✓ Wide range of analogue output options
- ✓ IP65 front panel sealing
- ✓ Panel or DIN rail mounting



Specification

Parameter	Value	Unit
Display	4½ digit red LED with 10mm digits plus indicators for set points and programming.	
Sensitivity	0.5 to 200mV/V	
Conversion rate	10 readings per second (100 readings per second is available as an option)	
Accuracy	90 days $\pm 0.08\%$ of reading $\pm 0.05\%$ of FSD typical	
Drift	0.002% full range / °C typical at 2.5mV/V	
Loadcell supply	10Vdc at 150mA (4 x 350 $\hat{\text{I}}$ © loadcells), with remote sensing	
Operating Temperature	-10 to +50°C	
Storage temperature	-20 to +70°C	
Supply requirements	12 to 24Vdc, 115Vac or 230Vac - power 10 Watts	

This intelligent self contained loadmeter is designed for use with strain gauge loadcells.

****This is now obsolete and that we recommend the INT4-L as a good alternative****Its wide range of functions and simple operation make the ADW15 ideal for use in

industrial weighing applications. Options include set points, peak hold, serial communications and analogue outputs. All set up functions are via the weather sealed keypad using a simple menu system. This compact, self contained loadcell instrument is available with a wide range of options including low voltage dc supply, whilst two way data communication allows for remote control of functions. Easy to program and use and able to power up to 4 x 350Ω loadcells, this loadmeter is used throughout industry in engineering applications with consistent and reliable results. If a bi-directional loadcell is used with any of the analogue output options the only way to scale the amplifier is to set the mid-point of the analogue output equal to zero load. If the standard version of this loadmeter is too slow for your application a special option is available with a 100 readings per second analogue to digital conversion rate. If the ADW15 is supplied with a loadcell it will normally be calibrated to read the loadcell output in the same force units as the loadcell calibration. A traceable system certificate will be supplied for the loadmeter and loadcell combination.

Order Codes

Code	Description
	Specify the options from the table below in the following order ADW15-B-C-D-E-F. Insert a 0 where an option is not required. If more than two set points are required the code becomes ADW-SP16-B-C-D-E-F. An option is only available if there is a * in the appropriate model column.
ADW15 & ADW-SP16	Position: B Option: A03 - Analogue output 4-20mA loop resistance
ADW15 & ADW-SP16	Position: B Option: V04 - Analogue output 0-10V load resistance >500Ω
ADW15 & ADW-SP16	Position: C Option: COM1 - RS232 / RS485 serial communications
ADW15	Position: D Option: R03 - 2 set points
ADW-SP16	Position: D Option: REM4 - 4 set points
ADW-SP16	Position: D Option: REM8 - 8 set points
ADW-SP16	Position: D Option: REMPSU - Power supply for set point modules
ADW15 & ADW-SP16	Position: E Option: W110 - 115Vac
ADW15 & ADW-SP16	Position: E Option: W240 - 230Vac
ADW15	Position: E Option: W12/24 - 12 to 24Vdc (range 9 to 32V)
ADW15 & ADW-SP16	Position: F Option: P/G - Panel mounting
ADW15 & ADW-SP16	Position: F Option: D - DIN rail mounting

Notes

Each set point has a SPCO relay contact rated at 5A 240Vac, resistive load. The REM options use external DIN rail mounted modules. A REMPSU is required for 8 or more set points. The maximum number of set points available with the ADW-SP16 is 16.

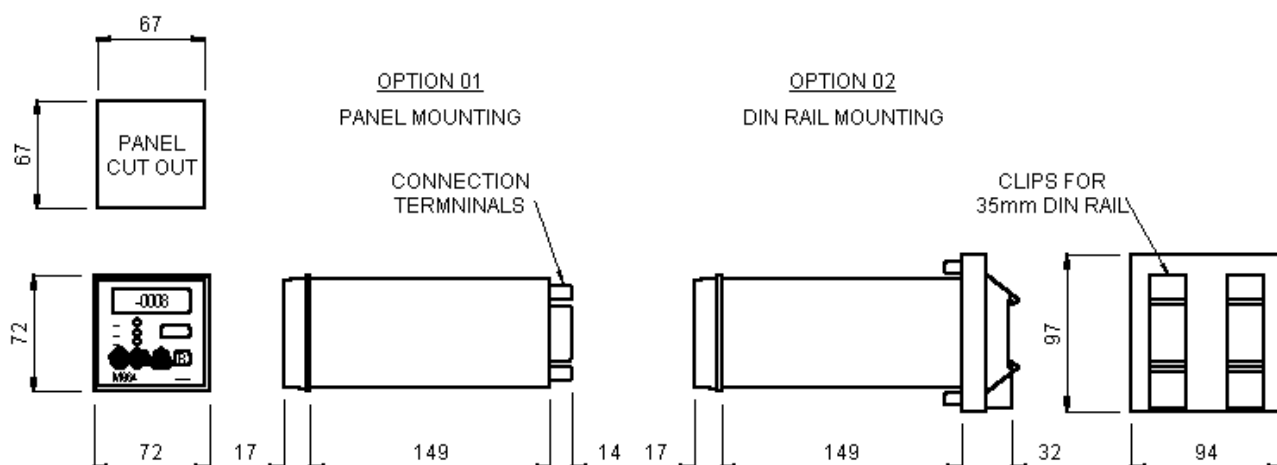
Supplied with an operators manual giving full details of the programmable parameters. The parameters are stored in non-volatile memory. When the ADW15 is purchased with a loadcell the loadmeter will be calibrated with appropriate scaling for use with the loadcell.

This product complies with the requirements of the European EMC directive.

Files

Type	Title	Download
PDF Manual	Printable manual.	Download

Outline



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