



ADW15

Loadmeter

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



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

Its wide range of functions and simple operation make the ADW15 ideal for use in force measurement 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 350 Ω loadcells, this loadmeter is used throughout industry in engineering applications and process weighing with consistent and reliable results.

The V06 analogue output is the only bi-polar output option. If a bi-directional loadcell is used with any of the other 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.

This loadmeter can be used with any of our loadcells. Details of our loadcell families can be found in the Loadcell Specifier Guide. If you require a copy please contact our sales department or look on our web site at www.novatechloadcells.co.uk.

ADW15 Specification

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 ±0.08% of reading ±0.05% of FSD typical
Drift	0.002% full range / °C typical at 2.5mV/V
Loadcell supply	10Vdc at 150mA (4 x 350Ω loadcells), with remote sensing
Operating temperature	-10 to +50°C
Storage temperature	-20 to +70°C
Supply requirements	12Vdc, 24Vdc, 115Vac or 230Vac - power 10 Watts

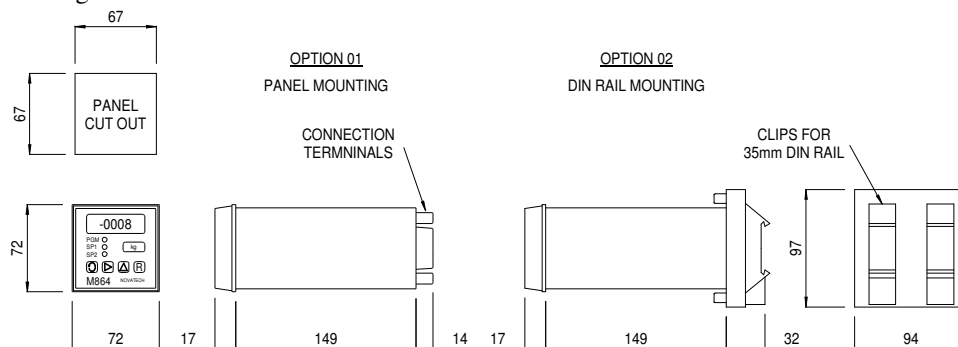
Ordering Codes

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 tick in the appropriate model column.

Position	Option	Description	ADW15	ADW-SP16
B	A01	Analogue output 0-1mA loop resistance <20k	√	√
B	A02	Analogue output 0-20mA loop resistance <1k0	√	√
B	A03	Analogue output 4-20mA loop resistance <1k0	√	√
B	V02	Analogue output 0-5V load resistance >500R	√	√
B	V04	Analogue output 0-10V load resistance >500R	√	√
B	V06	Analogue output ±10V load resistance >500R	√	√
C	COM1	RS232 / RS485 serial communications	√	√
D	R03	2 set points	√	X
D	REM4	4 set points	X	√
D	REM8	8 set points	X	√
D	REMPSU	Power supply for set point modules	X	√
E	W110	115Vac	√	√
E	W240	230Vac	√	√
E	W12/24	12 to 24Vdc (range 9 to 32V)	√	X
F	P/G	Panel mounting	√	√
F	D	DIN rail mounting	√	√

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.



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

Novatech reserves the right to vary the foregoing details without prior notice

08/2007

NOVATECH MEASUREMENTS LTD

83 CASTLEHAM ROAD, ST LEONARDS ON SEA, EAST SUSSEX, TN38 9NT, ENGLAND

Tel: 01424 852744

email: info@novatechloadcells.co.uk

Fax: 01424 853002

www.novatechloadcells.co.uk