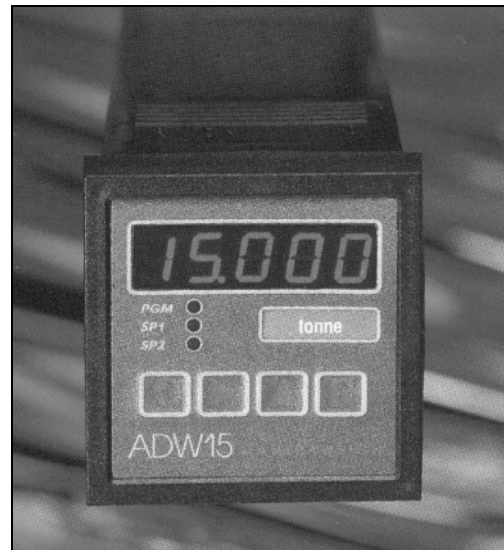


# ADW15

## 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 $\Omega$  loadcells, this loadmeter is used throughout industry in engineering applications and process weighing 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.

This loadmeter can be used with any of our loadcells. Details of our loadcell families can be found in the Product List and the Loadcell Specifier Guide. If you require copies please contact our sales department or look on our web site at [www.novatechloadcells.co.uk](http://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

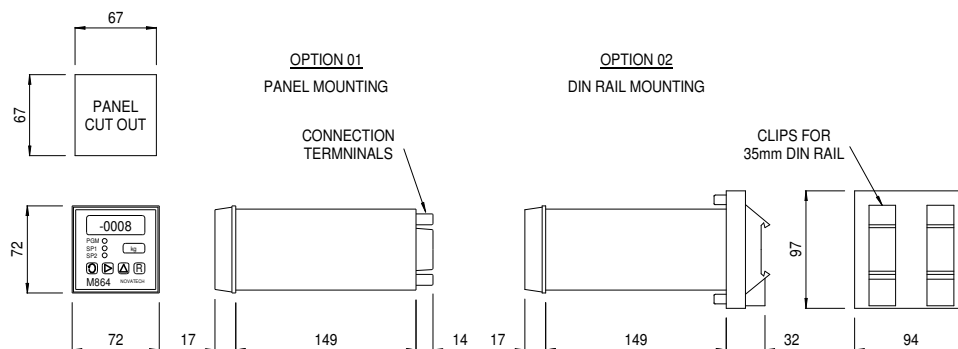
## Ordering Codes

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	A03	Analogue output 4-20mA loop resistance <1kΩ	√	√
B	V04	Analogue output 0-10V 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 MEASUREMENTS LTD

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