

MACKLOW SMITH DIGITAL DISPLAY

APEX HR

Features

This high resolution indicator has an accuracy of 0.005% of the input reading and with a 10 point linearization makes the Apex HR a perfect choice for high accuracy calibration equipment.

Full 6 digit display. Smart filtering to detect spikes, Peak and Valley detection with memory, Digital tare, 4 set points, Zero button.

Quick and Easy to use

Simple set up and calibration procedure using just the front key pad.

Simple to Install

Standard construction is in a 1/8DIN case complete with sliding cover mounting, the front casing is sealed to IP65 when fitted to suitable enclosure.

Power and Connections

The standard power supply is 90 – 240Vac with an option of 10-32Vdc

It can accept 4 or 6 way strain gauge or transducers, RTD's, Thermocouples, current and voltage inputs.

Software

Reading accuracy $\pm 0.005\%$ of the mV input.

The loaded software includes full range zero, preset tare, peak and valley memory, modes all as standard.

Options

RS232 19.2k baud

RS422 19.2k baud

RS485 addressable

2 or 4 alarm with 3.5A/5A 240V relays.

Change over switch, Tension/Compression

Isolated analogue outputs, 0-10Vdc

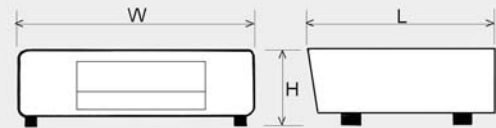
-5/+5Vdc, 4-20mA dc

Built into an instrument case

Transport cases

Front Panel button cover

SPECIFICATION



Standard Instrument Case

Model	APEX HR
Electrical Supply	90-240Vac, 50/60 Hz, 8.5W max
Input signal	0.5 – 3.5mV/V
Load cell connection	4 wire and 6 wire
Excitation	11Vdc 60mA, 10V 30mA, 24V 25mA
Display	6 number, 17.3mm high, red/amber/green
Filtering	Adjustable 0 – 5 seconds
Last digit round up	Selectable 1,2,5,10 20,50
User linearization	Up to 10 points
Front panel controls	Calibration, Tare, Reset, Max/Min, Alarm
Accuracy @ 25°C	0.005% of range
Construction	Polycarbonate
Protection class	IP65
Operating temperature	0°C to 50°C
Resolution	Up to 999,999 counts
Options:	
Analogue output	0-20mA, 4-20mA, 0-5VDC, 0-10VDC
Alarm/Relay	4 alarms, 2/4 relay 5A 250VAC, SPDT
Serial output	RS232/RS422/RS485 @ 19.2k baud
Instrument casing	Mounted in steel/aluminium case
Change over switch	Changes polarity for tension/compression modes (case only)
Dimensions: HxWxL	
Display	48mm x 93mm x 167mm
In instrument case	90mm x 230mm x 190mm

In the interest of product development we reserve the right to alter specifications without prior notice.