



DIMENSIONS

H	4.49 inch (114.0 mm)	H1	1.38 inch (35.0 mm)
L	4.72 inch (120.0 mm)	W	0.89 inch (22.5 mm)

Features:

- **Space-saving vertical design** with DIN-rail mounting for compact control panel integration
- **High-visibility red LED display** with six semi-alphanumeric digits and dedicated indicator LEDs for weight, calibration, and error conditions
- **Comprehensive calibration options** including theoretical, real-weight and linearity calibration with intuitive push-button or preset tare functionality
- **Versatile digital-to-analog conversion** with full-scale output, zero setting, and optional network protocols (Ethernet TCP/IP, ASCII or Modbus-RTU)
- **Flexible data formatting** with configurable bit-swapping for little or big endian formats and support for RS-232 transmit or RS-485 half-duplex communication
- **Integrated digital I/O featuring** two digital inputs and three digital outputs for expanded system interfacing
- **User-friendly system management** with removable mounting hardware and free Instrument Manager software for easy configuration, calibration, and maintenance

SPECIFICATIONS

Power Supply	12-24 VDC $\pm 10\%$	Number Of Decimals	0-4
Power Consumption	5 W	Display Increments	x1x2x5x10x20x50x100
Number Of Load Cells	up to 8x350 Ω -4/6 wires; 5 VDC/120 mA	Digital Filter	10 levels
Linearity	$<0.01\%$ full scale	Readings Per Second	5-300 Hz
Thermal Drift	$<0.0005\%$ full scale/ $^{\circ}\text{C}$; $<0.003\%$ full scale/ $^{\circ}\text{C}$ (analogue only)	Max. Output Current	3-max 115 VAC/150 mA
A/D Converter	24 bit(16000000 points)-4.8 kHz	Optoisolated Digital Inputs	2-5-24 VDC PNP
Divisions(with measurement range $\pm 10\text{mV}$ and sensitivity 2mV/V)	$\pm 999999 \cdot 0.01 \mu\text{V/d}$	Serial Ports	RS-485
Input Range	$\pm 39 \text{ mV}$	Baud Rate	2400, 4800, 9600, 19200, 38400, 115200(bit/s)
Usable Load Cells Sensitivity	$\pm 7 \text{ mV/V}$	Analog Output(analogue only)	16 bit=65535 divisions. 0-20 mA; 4-20 mA(up to 300 Ω) 0-10 V; 0-5 V; $\pm 10 \text{ V}$; $\pm 5 \text{ V}$ (min 10 k Ω)
Conversions Per Second	Max 300/s	Humidity	85% (non condensing)
		Operating Temperature Range	-4 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$ / -20 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$
		Storage Temperature	-22 $^{\circ}\text{F}$ to 176 $^{\circ}\text{F}$ / -30 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$

PART NUMBER

Part No.	Communication	Weight Approx. (lb)
ACT1-ANA.....	Analogue.....	1.0
ACT1-AEHT.....	Ethernet TCP/IP.....	1.0

AVAILABLE UPON REQUEST

Part No.	Communication
ACT1-A485.....	RS485
ACT1-ACAN.....	CANopen
ACT1-ACCL.....	CC-Link
ACT1-ADEN.....	DeviceNet
ACT1-AEHC.....	EtherCAT
ACT1-AEHI.....	Ethernet/IP
ACT1-AMDT.....	Modbus/TCP
ACT1-APFD.....	Profibus DP
ACT1-APFI.....	Profibus IO
ACT1-APWL.....	PowerLink
ACT1-ASES.....	Sercos III

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