

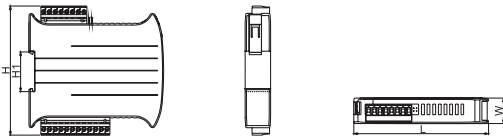


Features:

- **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

AMPLIFIERS

SPECIFICATIONS			
Power Supply	12-24 VDC ±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
		Readings Per Second	5-300 Hz
Linearity	<0.01% full scale	Max. Output Current	3-max 115 VAC/150 mA
Thermal Drift	<0.0005% full scale/°C; <0.003% full scale/°C (analogue only)	Optoisolated Digital Inputs	2-5-24 VDC PNP
		Serial Ports	RS-485
A/D Converter	24 bit(16000000 points)-4.8 kHz	Baud Rate	2400, 4800, 9600, 19200, 38400, 115200(bit/s)
Divisions(with measurement range ±10mV and sensitivity 2mV/V)	± 999999 · 0.01 μ V/d	Analog Output(analogue only)	16 bit=65535 divisions. 0-20 mA; 4-20 mA(up to 300 Ω) 0-10 V; 0-5 V; ± 10 V; ± 5 V(min 10 kΩ)
Input Range	± 39 mV		
Usable Load Cells Sensitivity	± 7 mV/V	Humidity	85% (non condensing)
Conversions Per Second	Max 300/s	Operating Temperature Range	-4 °F to 140 °F / -20 °C to 60 °C
		Storage Temperature	-22 °F to 176 °F / -30 °C to 80 °C



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)

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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