

AD-4328

Weighing Indicator

Versatile digital indicator for Batching, Check Weighing or Simple Weighing



Features

- National Standards Commission approved for trade use.
- The AD-4328 digital indicator can be powered by the standard AC adaptor or by an external battery on separate connectors.
- Built in comparator with optional relay or open collector output
- Full Digital Calibration eliminates the need to continuously load and unload calibration weights for setting Zero and Span
- Displayed resolution of 1 part in 10,000 (selectable 1 part in 20000)
- Bright red LED display makes for easy reading without error
- Designed to be panel, column or bench mounted without modification
- Standard serial data current loop for connection to printers or displays
- Gravity compensation software ensures accurate weighing after shipment without the need to re-calibrate
- External inputs allow control of the indicator from remote push buttons
- Ability to drive up to 6 x 350Ω load cells with 5V DC excitation


AD-4328 Specifications

INPUT & A/D CONVERSION	
Input Sensitivity	0.2 μ V/dmin (d = minimum division)
Input signal Range	-1mV to 15mV
Loadcell Excitation Voltage	5V DC \pm 5% (with remote sensing)
Loadcell drive capacity	Maximum of 6 x 350 Ω load cells (Maximum 90 mA)
Temperature coefficient Zero	\pm (0.2 μ V \pm 0.0008% of zero adjustment voltage)/ $^{\circ}$ C (typical)
Temperature coefficient Span	Span: \pm 8ppm/ $^{\circ}$ C of reading (typical)
Non-Linearity	0.01% of full scale
Maximum Input Noise	\pm 0.2 μ Vp-p
Input Impedance	10M Ω or more
Maximum display resolution	10000d (divisions)
A/D Conversion speed	Approx 10 times per second (same for display update) (5 times/sec when stable)
DIGITAL SECTION	
Weight Display	7-segment LED, character height 14.2mm
Annunciators	Minus, Zero Point, Stable, Gross, Net, Tare, Unit (kg or t)
INTERFACE	
Relay Output Option	3 points Capability 50V DC, 100mA, ON resistance <8 Ω Comparison mode selectable Batching: Zero Band / Preliminary / Free Fall Checking: HI limit / LO limit
Current Loop Output (Standard)	Exclusive output to A&D peripherals
GENERAL	
Power Source	9V DC supplied from the standard AC adaptor or from an external supply - approx. 30VA
Net Weight	Approximately 0.8kg
Operating Temperature	-10 $^{\circ}$ C to +40 $^{\circ}$ C
Operating Humidity	Max. 85% RH (non-condensing)
Physical Dimensions	170(W) x 145(D) x 130(H) mm

†Specifications are subject to change for improvement without notice

Options

- **OP-01**.....Parallel BCD output (open collector type)
- **OP-02**.....Comparator output (open collector type)
- **OP-03**.....RS422/485 + Relay output
- **OP-04**.....Serial RS-232C and 20mA Passive Current Loop + Relay Output

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