

WE3200

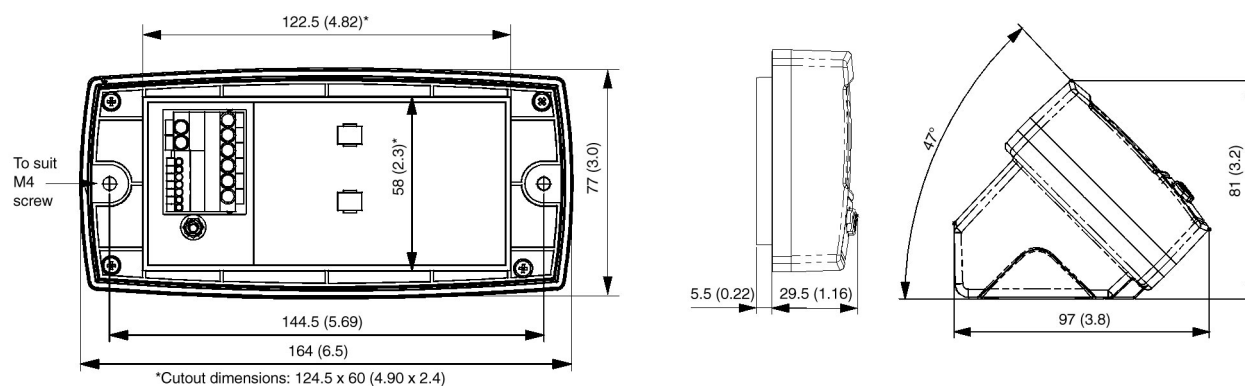
Digital Weighing Indicator



Special Features

- Trade 4,000 divisions
- 24 bit Sigma-Delta A/D
- RS-232 serial output
- 20 mm LCD display
- Compact ABS housing
- Bright LED backlighting
- 12-24 VDC/110-240 VAC/4 x AA battery

Dimensions: mm (inch)



Specifications

Performance	
Resolution	Up to 30,000 divisions, minimum of 0.25 $\mu\text{V}/\text{division}$, 20 updates/second (Trade 4000 divisions at 0.8 $\mu\text{V}/\text{division}$)
Approvals	OIML, CE, FCC, NSC, C-Tick
Zero cancellation	$\pm 2.0 \text{ mV/V}$
Span adjustment	0.1 mV/V to 3.0 mV/V full scale
Stability/drift	Zero: $<0.1 \mu\text{V}/^\circ\text{C}$ (+ 8 ppm of deadload max) Span $<8 \text{ ppm}/^\circ\text{C}$, Linearity $<20 \text{ ppm}$, Noise $<0.2 \mu\text{Vp-p}$
Excitation	5 volts for up to 4 x 350 or 8 x 700 ohm load cells (4-wire or 6-wire plus shield) Maximum total load cell resistance: 1,000 ohms
A/D type	24 bit Sigma Delta with 8,388,608 internal counts
A/D conversion rate	20 Hz with FIR filtering $>80 \text{ dB}$
Operating environment	Temperature: -10 to $+50^\circ\text{C}$ ambient, Humidity: $<90\%$ non-condensing Storage: -20 to $+50^\circ\text{C}$ ambient Protection class: IP55 when panel mounted
Case materials	ABS, silicon rubber, nylon, acrylic (no halogen used)
Packing weights	Basic Indicator: 0.34 kg
Digital	
Display	LED backlit LCD with six 20 mm high digits with units and annunciators
Setup and calibration	Full digital with visual prompting in plain English messages
Digital filter	Sliding window average from 0.1 to 4.0 seconds
Zero range	Adjustable from $\pm 2\%$ to $\pm 20\%$ of full capacity
Power input	
Standard power input	12 to 24 VDC (2.5 VA max) - ON/OFF key with memory feature AC adapter: 110/240 VAC 50/60Hz in 12 VDC 0.5A out 4 x AA batteries (alkaline or rechargeable NiMH, NiCad, etc.)
Features	
Opto-LINK data coupling	Infra-red connector for optional Opto-LINK PC cable (to RS-232 PC port)
Extra features	Five point linearity correction RS-232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800 or 9600 baud Assignable function key: Unit switching, counting, manual hold, peak hold, live weight and totalizing 2 isolated transistor drive outputs (300 mA total at 50 VDC) Battery backed clock calendar (battery life 10 years minimum)



Due to continuous improvement, dimensions and specifications are subject to change without notice. All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever. Please request certified drawings before designing mountings or fixtures.

HBI-DS-WE3200-052-Rev1

HBM, Inc.

19 Bartlett Street
Marlborough, MA 01752
Tel. 800-578-4260 • 508-624-4500
Fax 508-485-7480
E-mail: info@usa.hbm.com
Internet: www.hbm.com



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