

AD-4323

Weighing Indicator

*Compact, high quality,
high performance
digital weighing
indicator*



Features

- Ultra-fast 70 times/sec conversion speed gives greater cutoff judgement accuracy, making the AD-4323 unrivaled when very rapid sampling is required
- High 96,000 count internal resolution and a 10,000 display resolution meets maximum resolution for NTEP Class III-type approval
- Five different comparator modes are available for complete flexibility in custom weighing system configurations
- Full Digital Calibration eliminates the need to continuously load and unload calibration weights for setting Zero and Span
- The analog front-end, and A/D conversion circuitry are shielded by an internal sealed metal case for high immunity against RFI/EMI interference to comply with U.S., Canadian and International regulations and requirements
- “Watch-dog” Circuitry monitors the CPU and automatically resets the unit for normal operation if a software crash develops
- Batch weighing with Automatic Free-fall Compensation (AFFC) provides closer tolerance and better accuracy

AD-4323 Specifications

ANALOG INPUT & A/D CONVERSION

Loadcell Excitation	12VDC \pm 5% 280mA Remote sensing, limiter for overload Can be connected to eight 350 Ω load cells
Zero Adjustment Range	0.35mV ~ 24mV (FDC)
Input Sensitivity	0.6 μ V/D or greater
Span Adjustment	FDC method
Non-linearity	\pm 0.01% of full scale or less
Temperature Coefficient	Zero \pm (0.02 μ V + 0.0008% of dead load)/ $^{\circ}$ C Span \pm 0.0008%/ $^{\circ}$ C reading
Input Impedance	10M Ω minimum
Input Noise	\pm 0.3 μ Vp-p or less
Maximum Display Resolution	10,000 counts (maximum)
Overload Tolarence	Maximum Capacity plus 9 divisions
A/D Internal Resolution	96,000 counts (maximum)
Sampling Speed	Approximately 70 times/.sec.
Display Update Rate	17 times/sec. or 4 times/sec.
Zero Tracking	Programmable, from 0.5D/1 sec. to 4.5D/2 sec.

DIGITAL SECTION

Weight Display	13mm (1/2"), 7 digits, high-intensity cobalt blue fluorescent tube
Under Zero Indication	"-" negative sign
Annunciators	Center of Zero, Motion detection, Net/Gross, Tare Entered, kg, lb, (lb or kg version), t (kg or t version)

Decimal Point Placement	XXXXX, XXXX.X, XXX.XX, XX.XXX, X.XXXX
Switches	Standby/Operate, Zero, Tare, Net/Gross, Print
I/O Control Signal	Output - Optical-Isolator and transistor open collector Input - Optical-isolator
Minimum Division	X1, X2, X5, X10, X20, X50
Maximum Display	+500450


GENERAL

Power	100, 117, 220 or 240 VAC \pm 10%/-15% (factory preset) 50/60Hz
Memory Battery Back-up	6 years or more without AC power (lithium battery)
Operating Temp. Range	-5 $^{\circ}$ C ~ +40 $^{\circ}$ C +23 $^{\circ}$ F ~ +104 $^{\circ}$ F
Storage Temp. Range	-15 $^{\circ}$ C ~ +85 $^{\circ}$ C -5 $^{\circ}$ F ~ +185 $^{\circ}$ F
Operating Humidity	Less than 85% RH (non-condensing)
Weight	Approximately 3 kg, 6.6 lb
Dimensions	192(W) x 187(D) x 96(H) mm 7.56(W) x 7.26(D) x 3.78(H) in.
Panel Cutout Dimensions	186+1.0/-0(W) x 92+0.8/-0(H)mm 7.32+0.4/-0(W) x 3.62+.03/-0(H) inches

† Specifications are subject to change for improvement without notice

Options

- **OP-01**.....BCD Output
- **OP-04**.....RS-232C Interface
- **OP-05**.....Setpoint Unit
- **OP-07**.....Analog Output (4~20mA)

 <p>A&D MERCURY PTY. LTD. ACN 007 556 809 Head Office 32 Dew Street THEBARTON South Australia 5031 Telephone (08) 8352 3033 Facsimile (08) 8352 7409</p>	<p>Email: sales@andmercury.com.au Internet page: http://www.andmercury.com.au</p>	<p>Your Dealer</p>
	<p>Victorian Office Unit 4 Cnr. Arden & Lloyd Streets KENSINGTON Victoria 3031 Telephone (03) 9372 1522 Facsimile (03) 9372 1193</p>	