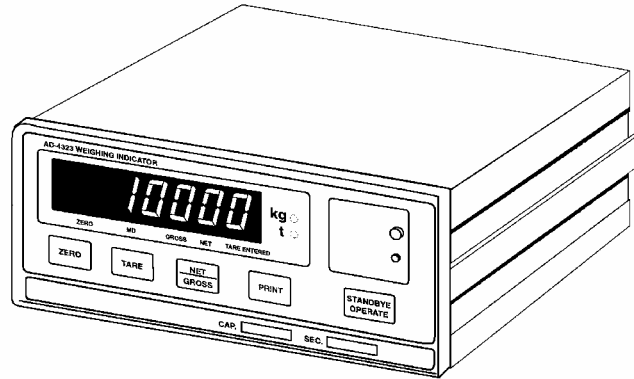


AD-4323

Weighing Indicator

Compact, high quality, high performance digital weighing indicator



Features

- Ultra-fast 70 times/sec conversion speed gives greater cutoff judgment 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 makes zero and span calibration a simple task
- 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 Freefall Compensation (AFFC) provides closer tolerance and better accuracy

NTEP Approval #88-095

Fax-on-Demand
(800) 726-7099, Press 2 / (408) 263-2278
Document #2002
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AND
A&D WEIGHING
...Clearly a Better Value



1555 McCandless Drive
Milpitas, CA 95035, USA
Toll Free: (800) 726-7099
Phone: (408) 263-5333
Fax: (408) 263-0119

AD-4323 Specifications

ANALOG INPUT & A/D CONVERSION	
Load Cell Excitation	12VDC± 5%, 280mA Remote sensing, limiter for overload. Can be connected to eight 350Ω load cells
Zero Adjustment Range	0.35mV~24mV (FDC)
Input Sensitivity	0.6μ V/D or greater
Span Adjustment	FDC method
Non-Linearity	± 0.01% of full scale or less
Temperature Coefficient	Zero± (0.02μV+0.0008% of dead load)/°C Span± 0.0008%/°C reading
Input Impedance	10MΩ minimum
Input Noise	± 0.3μ Vp-p or less
Maximum Display Resolution	10,000 counts (maximum)
Overload Tolerance	Maximum Capacity plus 9 divisions
A/D Internal Resolution	96,000 counts (max)
Sampling Speed	Approx. 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.

Specifications are subject to change for improvement without notice

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, (version lb or kg), 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 +10%/-15% (factory preset) 50/60Hz
Memory Battery Back-Up	6 years or more without AC power (lithium battery)
Operating Temp. Range	-5°C~ +40°C (23°F ~ +104°F)
Storage Temp. Range	-15°C~ +85°C -5°F ~ +185°F
Operating Humidity	Less than 85% RH (non-condensing)
Weight	Approx. 3 kg / 6.6 lb
Dimensions	192(W)x187(D)x 96(H)mm 7.56(W) x 7.36(D)x3.78(H) in.
Panel Cutout Dimensions	186+1.0/-0(W) x 92+0.8/-0(H)mm 7.32+0.4/-0(W) x3.62+0.03/-0(H) in.

Options:

- AD-4324-01 BCD Output
- AD-4323-01A... BCD Output TTL Level (board mod.)
- AD-4324-04 Serial Output (RS-232C/Current Loop)
- AD-4323-05 Setpoint Unit
- AD-4323-07 Analog Output (4 ~ 20mA)

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