

AD-4323

weighing indicator

High Performance Digital Weighing Indicator offering Advanced, Flexible Functions

The AD-4323 is a compact, high performance digital weighing indicator which offers sophisticated and flexible functions at an exceptional value. It boasts an extensive range of standard and user selectable features for a wide variety of industrial weighing applications.

1/10,000 Division Display Resolution

A high 1/96,000 count internal resolution and a 1/10,000 display resolution delivers precision for the most demanding applications.

Multi-Function Comparator

The built-in comparator turns the AD-4323 indicator into a self-contained weighing controller. Five different comparator modes are available ensuring complete flexibility in custom weighing system configuration.

Batch Weighing Mode

The high 70 times/sec sampling speed makes the AD-4323's two batch operating modes, Normal or Loss-in-Weight batching, perfect for demanding batch weighing applications.

Drives up to 8 Load Cells

Load cell excitation voltage of 12VDC with the capability of driving up to 8 load cells (350Ω) in parallel.

Standard Interface Connector and Current Loop

The standard I/O connector allows control of front panel keys and output of comparator/batching controls. Standard serial current loop for connection to remote printer, display or scoreboard.



Standard



Options



- High speed A/D converter - up to 70 times per second
- Multi-Function Comparator
- Simple Calibration via FDC (Full Digital Calibration)
- RFI/EMI Screened
- Batch Weighing Mode
- Batching Control
- Check Weighing Mode

AD
A&D WEIGHING
...Clearly a Better Value

Specifications:

Analog Input and A/D Conversion		Digital Section		General	
Load Cell Excitation	12VDC $\pm 5\%$, 280mA Remote sensing, limiter for overload	Weight Display	1.3mm, 7 digits, high-intensity cobalt blue fluorescent tube	Power	100, 117, 220 or 240 VAC $\pm 10\%$ - 15% (factory preset) 50/60Hz
Zero Adjustment Range	0.35mV - 24mV (FDC)	Under Zero Indication	"-7" negative sign	Memory Battery Backup	6 years or more without AC power (lithium battery)
Input Sensitivity	0.6uV/D or greater	Annunciators	Centre of Zero, Motion detection, Net/Gross, Tare Entered, kg, lb (lb or kg version), t (kg or t version)	Operating Temp. Range	-10°C - +40°C
Span Adjustment	FDC method	Decimal Point Placement	XXXXX, XXXX.X, XXX.XX, XX.XXX, X.XXXX	Storage Temp. Range	-15°C - +85°C
Non-Linearity	$\pm 0.01\%$ of full scale or less	Switches	Standby/Operate, Zero, Tare Net/Gross, Print	Operating Humidity	Less than 85% RH non-condensing
Temperature Coefficient	Zero: (0.02uV + 0.0008% dead load)/°C Span: $\pm 0.0008\%/^{\circ}\text{C}$	I/O Control Signal	Output - Optical-isolator and transistor open collector Input - Optical-isolator	Weight	Approximately 3 kg
Input Impedance	10M minimum	Minimum Division	X1, X2, X5, X10, X20, X50	Dimensions	192(W) x 187(D) x 96(H) mm
Input Noise	$\pm 0.2uV$ p-p or less	Maximum Display	-500450	Panel Cutout Dimensions	186 - 1.0(-0W) x 92 - 0.8(-0H) mm
Maximum Display Resolution	10,000 counts				
Overload Tolerance	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.				

Options:

- AD-4324-01 ... BCD Output
- AD-4323-01A ... BCD Output TTL Level (Board Modified)
- AD-4323-04 ... RS-232C Interface
- AD-4323-05 ... Setpoint Unit
- AD-4323-07 ... Analog Output (4 - 20mA)

Accessories:

- AD-1131 ... Basic Printer
- AD-8121A ... Multi-Function Printer
- AD-8118A ... Journal Printer
- AD-8118B ... Universal Printer
- AD-8918 ... External Display

AD-8118B Universal Printer

This quiet and speedy universal dot matrix printer has a full range of statistical functions. Built-in timer/clock/calendar functions for detailed printouts and timed interval printing, charting selectable to show change in weight, interval time, etc. AC mains operation, compact, light weight and accepts RS-232C or current loop input from any A&D indicator.



AD-8121A Multi-Function Printer

- Built in full range statistical software
- Clear impact dot matrix print
- Timer/clock/date functions for detailed printouts/ timed interval printing
- Battery or AC Adaptor Operation
- Accepts RS-232C and Current Loop input from any A&D scale, balance or indicator



AD-1131 Basic Printer

- Basic printing functions
- Clear impact dot matrix print
- Accepts RS-232C input from A&D's scales, balances or indicators
- Selectable Language Print
- Internal rechargeable battery or AC Operation (Adaptor included)
- RS-232 Cable Required (KO:1131)



• Optional Setpoint Unit (AD-4323-05)

Your Authorized A&D Distributor:

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