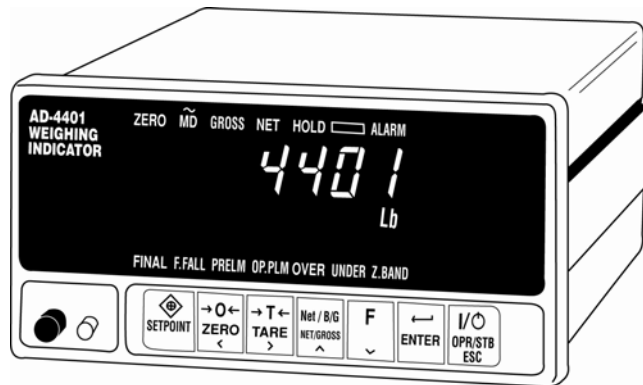


AD-4401

Weighing Indicator

**Versatile,
Multi-Purpose
Batching/Weighing
Indicator**



Features

- 100 Times per High Speed Sampling
- High Display Resolution to 16,000 Counts
- Full Digital Calibration (FDC)
- Mount in panel or desktop
- Selectable Weighing Modes including Normal Batching, Loss-in-Weight Batching & Checkweighing
- Customer Programmed Mode
- Eight Built-in Automatic Modes
- Batching Weighing with Fuzzy Logic & AFFC™ (Automatic Free Fall Compensation)
- Dual Display allows simultaneous viewing of weight & setpoint / accumulator values
- Standard 20mA Serial
- Optional Bi-Directional Serial Interface, RS-232C and RS-485
- Optional Setpoint Unit

Fax-on-Demand

(800) 726-7099, Press 2/ (408) 263-2278
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www.andweighing.com

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

AD-4401 Specifications

Input Sensitivity	0.3 μ V/D or greater
ZERO Adjustment Range	-0.3mV ~ +20mV
Load Cell Excitation	10V DC \pm 5% 230mA, Remote Sensing (Up to 8 load cells at 350 Ω per load cell)
Zero Temperature Coefficient	\pm (0.2 μ V + 0.0008% of dead load)/ $^{\circ}$ C (typ.)
Span Temperature Coefficient	8ppm / $^{\circ}$ C of reading (typ.)
Non-Linearity	0.01% of full scale
Input Noise	\pm 0.3 μ Vp-p
Input Impedance	\pm 10M Ω minimum
A/D Conversion Method	Sigma Delta
A/D Resolution	1,000,000 counts maximum
A/D Conversion Rate	Approx. 100 times/second
Main Display	7-segment, 7-digit 13mm(H) blue fluorescent, displays the weight
Sub Display	7-segment, 8-digit 7mm(H) blue fluorescent, displays tare, final weight, accumulated weight, count of measurements
Display Resolution	16000D
Minimum Division	x1, x2, x5, x10, x20, x50
Maximum Display	"999950"
Under ZERO Indication	"-" minus sign
Annunciator Keys	Setpoint, Zero, Tare, Net/Gross, Enter, OPR/STB, F, Cal
Programmable "F" Keys	Select one: Emergency Stop, Clear to Zero, Clear Tare, Clear Total, Manual Print, Hold, Loading Start or No Capability
Power	85~132V AC or 170~264V AC 50/60Hz
Net Weight	Approximately 1.3kg (2.7 lb)
Operating Temperature	-5 $^{\circ}$ C ~ 40 $^{\circ}$ C (23 $^{\circ}$ F ~ 104 $^{\circ}$ F)
Storage Temperature	-15 $^{\circ}$ C ~ 70 $^{\circ}$ C (-5 $^{\circ}$ F ~ 158 $^{\circ}$ F)
Operating Humidity	Less than 85% RH (non-condensing)
Physical Dimensions	144(W) x 72(H) x 197(D) mm 5.67(W) x 2.83(H) x 7.76(D) inches
Memory Battery Backup	Lithium over six years without AC power
Standard Accessories	Manual, Fuse, Sticker, Serial Connector, Load Cell Connector, Rubber Feet, Terminal Cover

Specifications are subject to change for improvement without notice

Options

- *AD-4401-01 .. Parallel BCD Output (Open Collector)
- *AD-4401-03 .. Serial Interface RS-422/485
- *AD-4401-04 .. Serial Interface RS-232C
- AD-4401-05 .. Setpoint Unit
- AD-4401-07 ... Analog Output (4~20mA)

*Only one can be selected from AD-4401-01, AD-4401-03 or AD-4401-03

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