

AD-4401

Batching Indicator

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



Features

- Ultra-fast 100 times/sec conversion speed gives greater cutoff judgement accuracy, making the AD-4401 ideal when very rapid sampling is required
- One million count internal resolution and a 16,000 display resolution provides a very stable and accurate display
- Flexible software allows the user to designate 6 inputs and 8 outputs to standard functions.
- 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 International regulations and requirements
- Batch weighing with a choice of normal or fuzzy-logic Automatic Free-fall Compensation routines provides closer tolerance and better accuracy
- Outputs included for 3 speed feeding with jogging and hopper emptying. Programmable timers provide flexibility.
- IP-65 protected front panel and keys.

AD-4401 Specifications

ANALOG INPUT & A/D CONVERSION		DIGITAL SECTION	
Loadcell Excitation	10VDC \pm 5% 230mA Remote sensing. Can be connected to eight x 350 Ω I/ cells	Weight Display	13mm (1/2"), 7 digits, high-intensity cobalt blue fluorescent tube
Zero Adjustment Range	0.0mV ~ 20mV (FDC)	Sub Display	7mm, 8 digits, high-intensity cobalt blue fluorescent tube
Input Sensitivity	0.3 μ V/D or greater	Under Zero Indication	"-" minus sign
Span Adjustment	FDC method	Keys	Setpoint, Zero, Tare, Net/Gross, Enter, OPR/STB, F, CAL
Non-linearity	\pm 0.01% of full scale or less	'F' key programmable	Emergency Stop, Clear to Zero, Clear Tare, Clear Total, Manual Print, Hold, Loading Start or No capability
Temperature Coefficient	Zero \pm (0.2 μ V + 0.0008% of dead load)/ $^{\circ}$ C Span \pm 8ppm/ $^{\circ}$ C reading	I/O Control Signal	Output - Optical-Isolator and transistor open collector Input - Optical-isolator
Input Impedance	10M Ω minimum	Minimum Division	X1, X2, X5, X10, X20, X50
Input Noise	\pm 0.3 μ Vp-p or less	Maximum Display	+999950
Maximum Display Resolution	16,000 counts (maximum)	GENERAL	
Overload Tolerance	Maximum Capacity plus 9 divisions	Power	85~132V AC or 170~264V AC 50/60Hz
A/D Internal Resolution	1,000,000 counts (maximum)	Memory Battery Back-up	6 years or more without AC power (lithium battery)
Sampling Speed	Approximately 100 times/.sec.	Operating Temp. Range	-5 $^{\circ}$ C ~ +40 $^{\circ}$ C
Display Update Rate	Programmable 20, 10, 5 /sec.	Storage Temp. Range	-15 $^{\circ}$ C ~ +70 $^{\circ}$ C
Zero Tracking	Programmable, from 1.0D/2 sec. to 4.5D/1 sec.	Operating Humidity	Less than 85% RH (non-condensing)
		Weight	Approximately 1.3 kg,
		Dimensions	144(W) x 72(H) x 197(D) mm
		Panel Cut out Dimensions	138+1.0/-0(W) x 68+0.7/-0(H)mm

†Specifications are subject to change for improvement without notice

Options

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

Only one of OP-01; OP-03 and OP-04 can be selected



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