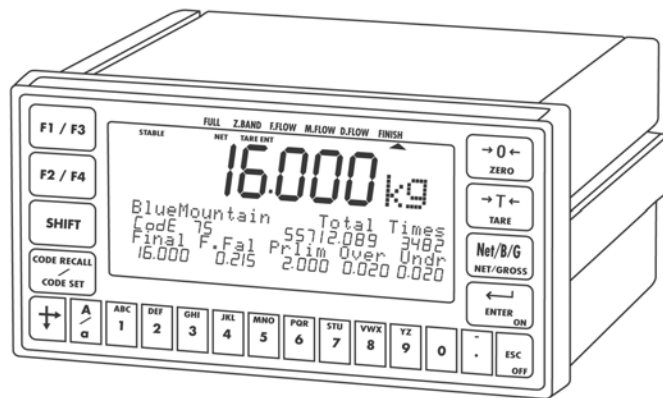


# AD-4402

## Weighing Indicator

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



## Features

- Large 18mm, Bright Blue Vacuum Florescent Weight Display
- Five lines of Status & Operator entry displays
- 0-10 & function keys for easy operator interaction
- Pre-programming for multiple sequences & functions for filling, mixing, timing functions
- Stores 100 sets of ingredient data
- Stores 100 sets of recipe codes
- Standard RS-485 (up to 32 units)
- Compact DIN table/panel housing
- Option cards for CC-Link, DeviceNet & PROFIBUS
- Select from 50+ functions for each of 11 control inputs & 11 control outputs
- Safety check function for emergency shutdown.
- 16,000 max. display resolution
- 1,000,000 internal resolution
- 100 Times/Second High Speed Sampling
- Digital Span & Gravity Acceleration Compensation

### *Fax-on-Demand*

(800) 726-7099, Press 2 / (408) 263-2278  
Document #2003

[www.andweighing.com](http://www.andweighing.com)

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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-4402 Specifications

Input Sensitivity	0.3 $\mu$ V/D or greater
ZERO Adjustment Range	0mV ~ +20mV
Load Cell Excitation	10V DC $\pm$ 5% 230mA, Remote Sensing (Up to 8 load cells at 350 $\Omega$ per load cell)
Zero Temperature Coefficient	$\pm$ (0.2 $\mu$ 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	$\pm$ 0.6 $\mu$ Vp-p
Input Impedance	$\pm$ 10M $\Omega$ 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 18mm(H) blue fluorescent, displays the weight
Sub Display	4 lines 7-segment, 8-digit 5mm(H) blue fluorescent, displays status informationo
Display Resolution	16,000D maximum
Annunciator Keys	Stable, Net, Gross, Full, Zero Band, Fast Flow, Medium Flow, Dribble Flow, Finish, Tare Entry
Power	85~250VAC, 50/60Hz
Net Weight	Approximately 1.8kg (4 lb)
Operating Temperature	-5 $^{\circ}$ C ~ 40 $^{\circ}$ C (23 $^{\circ}$ F ~ 104 $^{\circ}$ F)
Operating Humidity	Less than 85% RH (non-condensing)
Physical Dimensions	192(W) x 96(H) x 135(D) mm
Panel Cutout Dimensions	186(W) x 92(H)
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-4402-01 ... Parallel BCD Output (Open Collector)
- AD-4402-02....Relay Output
- AD-4402-03 ... Serial Interface RS-422/485 I/O
- AD-4402-04 ... Serial Interface RS-232C I/O
- AD-4402-05 .. Parallel I/O
- AD-4402-07 ... Analog Output (4~20mA)
- AD-4402-20....CC-Link Interface
- AD-4402-21....DeviceNet Interface
- AD-4402-22....PROFIBUS Interface

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