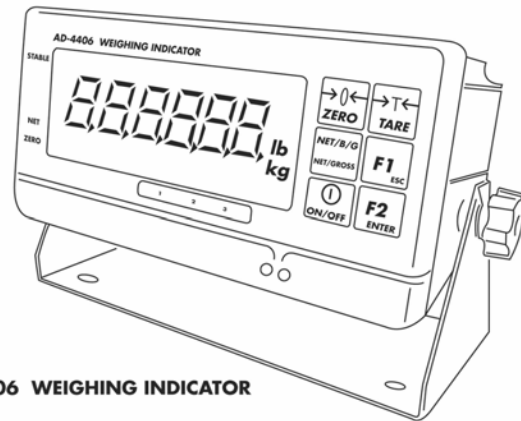


AD-4406

Weighing Indicator

**Low Cost,
Battery Powered
Weighing
Indicator/Controller**



AD-4406 WEIGHING INDICATOR

Features

- 1 / 40,000 Display Resolution
- Mount on table, wall, desktop or panel mount (bracket standard)
- Comparator Function & Optional Relay/Transistor Output. HI/GO/LO comparator & simple weighing-in comparator can be selected
- Front panel is waterproof, protected to IP65
- Connects to A&D Load Cells & SB Platforms or other mfg's strain gauge load cells/platforms
- Digital Linearization
- Powers up to 4 load cells @ 350 ohm/load cell (8 l/c @ 700 ohms)
- RS-232C interface is standard, RS-422/485 optional
- Optional Relay Outputs or 4-20mA Analog Output
- 3 input signals for external control, input signal can be selected from zero, tare, mode, net/gross, print, M+
- User Programmable F1 & F2 keys (for print, setpoint control, counting, accumulating)
- Protected from EMI & RFI interference

Fax-on-Demand

(800) 726-7099 / (408) 263-0560, Press 2
Document #2012

www.andweighing.com

last saved:12/18/02

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-4406 Specifications

Input Sensitivity	0.2 μ V/d or greater
Input Signal Range	-1mV ~ 15mV
Load Cell Excitation	5V DC \pm 5% (remote sensing)
Load Cell Drive Capacity	Up to 4 load cells at 350 Ω /load cell (Max. 60mA)
Zero Temperature Coefficient	\pm (0.2 μ V \pm 8ppm of dead load)/ $^{\circ}$ C (typically)
Span Temperature Coefficient	8ppm $^{\circ}$ C of reading (typically)
Non-Linearity	0.01% of full scale
Input Noise	Less than 0.4 μ Vp-p
Input Impedance	\pm 10M Ω minimum
A/D Conversion Method	Integrating dual-slope type
A/D Resolution	40,000 counts maximum
A/D Conversion Rate	Selectable: 5/second or 10/second
Maximum Display Count	40,000
Minimum Division	x1, x2, x5, x10, x20, x50
Weight Display	6 digits, 25mm / 1" (H), 7 segment LCD
Weight Unit	Lb, ton or kg
Annunciators	STABLE, ZERO, GROSS, NET, HI, OK, LO, ton, kg, lb
Keys	F1, F2, ZERO, TARE, NET/GROSS,
Standard Serial Interface	RS-232C, bi-directional
Power, AC	100 – 240 VAC , 45-65 Hz, 30VA
Power, Battery	6 each "C" type, 180 hours with 1 load cell (70 hours with 4 l/c)
Operating Temperature	-10 $^{\circ}$ C ~ +40 $^{\circ}$ C (14 $^{\circ}$ F ~ 104 $^{\circ}$ F)
Storage Temperature	-10 $^{\circ}$ C ~ +70 $^{\circ}$ C (14 $^{\circ}$ F ~ 158 $^{\circ}$ F)
Physical Dimensions	mm 192 (W) x 87 (D) x 96 (H)
	inch 7.56 (W) x 3.43 (D) x 3.78 (H)
Panel Cut Out	mm 186 (W) x 92 (D)
	inch 7.32 (W) x 3.62 (D)
Standard Accessories	Manual, AC cable, load cell input plug, capacity sticker, rubber feet, external input plug, Swivel Mounting Bracket

Specifications are subject to change for improvement without notice

Options

- AD-4406-03....RS-422/RS-485/output relays (replaces standard RS-232C)
- AD-4406-05....RS-232C with output relays (replaces standard RS-232C)
- AD-4406-07....Analog Output, 4-20mA (replaces standard RS-232C)
- AD-1681.....Rechargeable Battery Pack

Fax-on-Demand

(800) 726-7099 / (408) 263-0560, Press 2
Document # 2012

www.andweighing.com



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