

• AD-4405/4406/4407

Weighing Indicators



AD-4407



AD-4405



AD-4406



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

RS-232C

COMPARATOR



Three Choices of Low Cost, Multi-Function Weight Indicators to Suit Your Specific Environmental & Application Needs

AD-4405

Optional Built-in Printer with Time & Date Stamp

- Bright green 0.8" VFD display
- 0 – 9 keys for tare, setpoints & sample count entries
- Counting function
- Drives 4 load cells (350Ω)



Rear Panel



With optional built-in printer

AD-4406

Expanding your weighing applications by Battery operation

- Compact & Portable
- Large 1" LCD display
- AC adapter or Battery Operation
 - Alkaline "C" type battery:
 - 180 hour battery life (1 each 350Ω I/c)
 - 70 hour battery life (4 each 350Ω I/c)
 - Rechargeable Battery AD-1681
 - AC adapter (120 or 240 VAC)
- Operator selectable F1 & F2 function keys
- Standard table mount bracket
- Drives 4 load cells (350Ω)



Rear Panel

Panel Cutout
 186 $\frac{1}{8}$ " (W) × 92 $\frac{1}{8}$ " (H) mm
 7.32 $\frac{1}{8}$ " (W) × 3.62 $\frac{1}{8}$ " (H) inches

AD-4407

IP-65 for your Dust & Waterproof weighing applications with Stainless Steel Enclosure

- Bright green 0.8" VFD display
- 0 - 9 keys for tare, setpoints & sample count entries
- Counting function
- Standard wall/table mount bracket
- Drives 8 load cells (350Ω)



Rear Panel



Common Features

● Universal Flexi Coms

UFC allows you to customize the protocol of the printing format as well as outputting data with RS-232C

● Lb/kg selectable

● Up to 40,000 resolution

● Accumulation Function

Accumulative data is stored into memory automatically or manually

● Comparator Function Upper/Lower, HiHi/Hi/OK/Lo/LoLo & comparison

Comparator output to optional relays

● Simple batch weighing

Automatic batching and customer programming capability

● Standard bi-directional RS-232C interface

● Buzzer function

● Code memory function

All Indicators are compatible with A&D SB Platforms and most other manufacturers' load cells & platforms

RS-232C

COMPARATOR

UFC



SB platform

AD-4405/4406/4407

Weighing Indicators

Specifications

	AD-4405	AD-4406	AD-4407
Input Sensitivity		0.2 μ V/d	
Input Signal Range		-1mV - 15mV	
Load Cell Excitation	DC 5V \pm 5% 60mA, Remote Sensing (Up to 4 load cells at 350 Ω /load cell)		DC 5V \pm 5% 120mA, Remote Sensing (Up to 8 load cells at 350 Ω /load cell)
Zero Temperature Coefficient	\pm (0.2 μ V+8ppm of dead load)/ $^{\circ}$ C (typically)		
Span temperature Coefficient	\pm 8ppm/ $^{\circ}$ C of reading (typically)		
Non-Linearity	0.01% of full scale		
Input Noise	Less than 0.4 μ Vp-p		
Input Impedance	10M Ω or more		
A/D Conversion method	Integrating dual slope type		
A/D Resolution	40,000 counts		
Maximum display resolution	20,000 counts		
A/D Conversion rate	5 times/sec., 10 times/sec.		
Main Display	7-segment, 0.8inch(H) VFD	7-segment, 1inch(H) LCD	7-segment, 0.8inch(H) VFD
Power	AC 100/110/120/200/220/ 230/240V -15--+10% (50/60Hz)	AC Adaptor, C battery \times 6 or AD1681	AC 100/110/120/200/220/ 230/240V -15--+10% (50/60Hz)
Consumption	30VA	DC 9V 100mA	30VA
Battery life (Alkaline battery)	-	180hours (1 Load Cell) 70hours (4 Load Cell)	-
Operating Temperature	-10 - +40 $^{\circ}$ C (14 $^{\circ}$ F - 104 $^{\circ}$ F)		
Operating Humidity	Less than 85% RH (non-Condensing)		
Physical Dimensions	275(W) \times 111(H) \times 159(D) mm 10.83(W) \times 4.37(H) \times 6.26(D) inches	192(W) \times 96(H) \times 87(D) mm 7.56(W) \times 3.78(H) \times 3.43(D) inches	199(W) \times 206(H) \times 80(D) mm 7.83(W) \times 8.11(H) \times 3.15(D) inches
Net Weight	Approximately 1300g / 2.87 lb	Approximately 680g / 1.50 lb	Approximately 1950g / 4.30 lb

Options

AD-4405-03 ————— RS-422/485 and Relay
AD-4405-05 ————— RS232C, Relay and Control Input
AD-4405-06 ————— Built-in Printer
AD-4405-07 ————— Analog Output (A-20mA)

AD-4406-03 ————— RS-422/485 and Relay
AD-4406-05 ————— RS232C, Relay and Control Input
AD-4406-07 ————— Analog Output (A-20mA)

AD-4407-03 ————— RS-422/485 and Relay
AD-4407-05 ————— RS232C, Relay and Control Input
AD-4407-07 ————— Analog Output (A-20mA)

Note: Options 03, 05 & 07 cannot be used concurrently.

Accessories

AD-8118A ————— Journal Printer
AD-8118B ————— Universal Printer
AD-8121 ————— Dot matrix Printer
AD-1191 ————— Dot matrix Printer
AD-8920 ————— External Display
AD-8951 ————— Comparator Light

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Specifications subject to change for improvement without notice.