

• 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
 186¹¹/₁₆" (W) × 92¹/₈" (H) mm
 7.32¹/₈" (W) × 3.62¹/₈" (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

RS-232C

COMPARATOR

UFC

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



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 X 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) X 111(H) X 159(D) mm 10.83(W) X 4.37(H) X 6.26(D) inches	192(W) X 96(H) X 87(D) mm 7.56(W) X 3.78(H) X 3.43(D) inches	199(W) X 206(H) X 80(D) mm 7.83(W) X 8.11(H) X 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

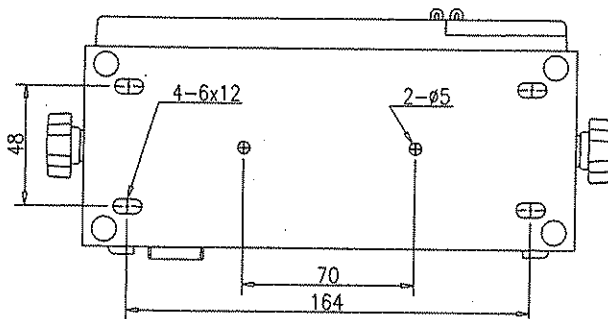
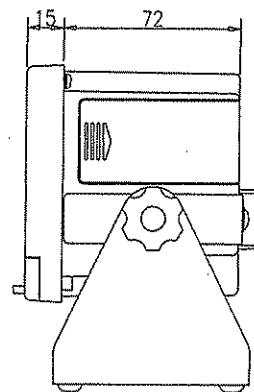
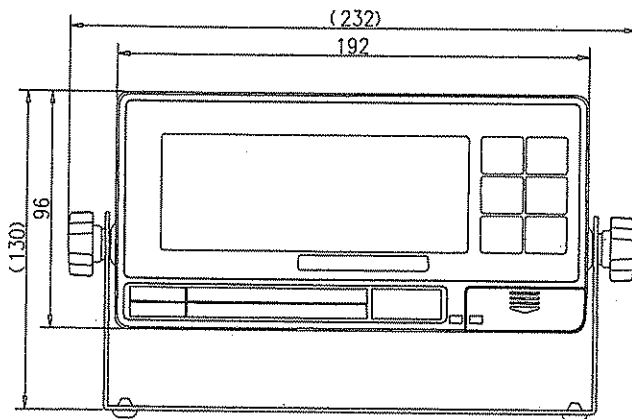
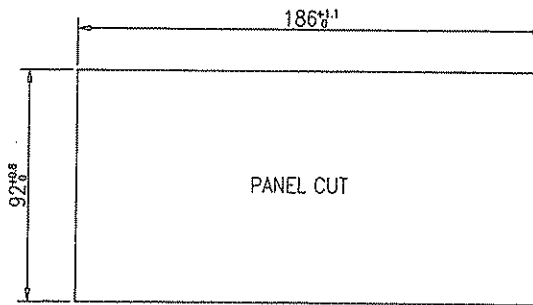
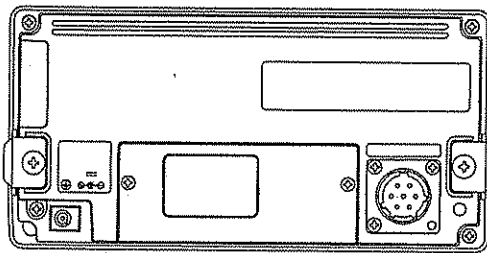
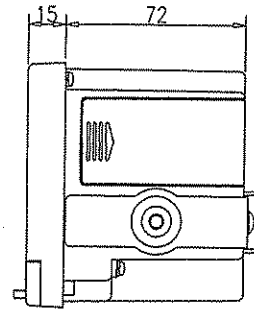
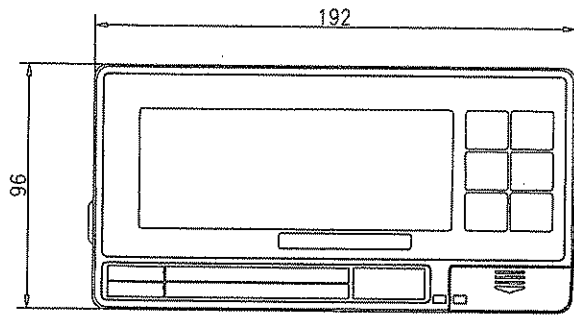
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Specifications subject to change for improvement without notice.



18.1. Dimensions



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