

AD-4405/4406/4407

Weighing Indicators

*Easy to Fabricate your designed Weighing System
from Featured Weighing Indicators
for your Applications*



AD-4407



AD-4405



AD-4406



AND ... Clearly a Better Value
A&D Company, Limited
<http://www.aandd.jp>

Many Choices from new Featured Weighing Systems for your Weighing System Application

AD-4405

Built-in Printer as optional add-on for your weighing data recording

- Bright green VFD 20mm(height) display
- Optional Dot Matrix Compact Printer
- 10 keys for preset tare and unit weight setting etc.
- Counting function



Rear Panel



With optional built-in printer

AD-4406

Expanding your weighing applications by Battery operation

- High cost-effectiveness
- Big LCD 25mm (height) display
- Multi power supply
Alkaline C type battery:
battery life 180 hours (LC 350Ω × 1)
battery life 70 hours (LC 350Ω × 4)

Optional AC adapter

- F1, F2 selectable function keys
- Optional RS-232C
- Load cell 350Ω × 4
- Optional stand available



Rear Panel

Panel Cutout
186^{+0.1} (W) × 92^{+0.8} (H) mm
7.32^{+0.04} (W) × 3.62^{+0.03} (H) inches



AD-4407

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

- Bright green VFD 20mm(height) display
- Bracket standard
- 10 keys for preset tare and unit weight setting etc.
- Counting function



Rear Panel



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Common Features

● Universal Flexi Coms

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



● Multi interval

2 weighing ranges selectable

● 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

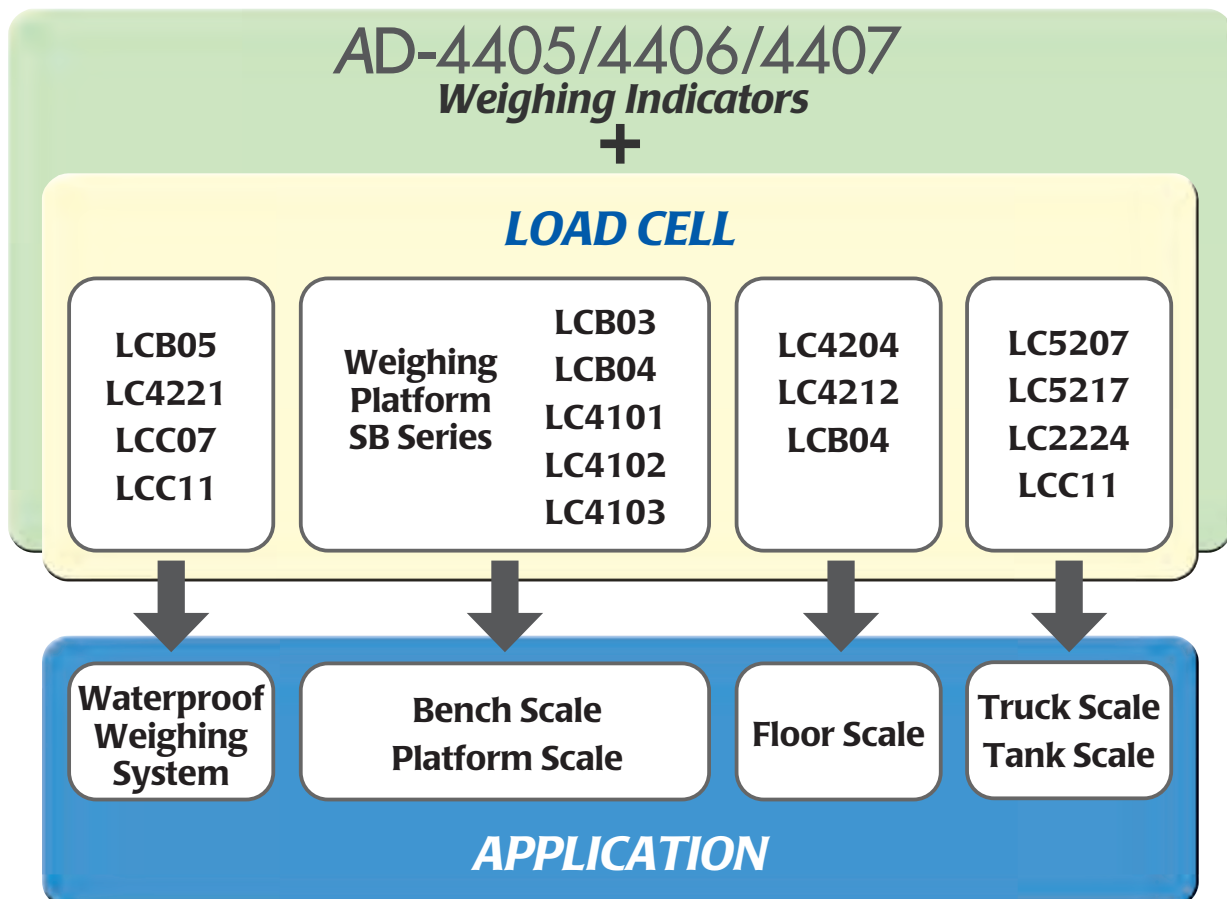
● Standard RS-232C for AD-4405 and AD-4407

● Buzzer function

● Code memory function

APPLICATION with LOAD CELL

You can use our load cells as load sensor to build your own desktop, bench, floor or truck scales as per your preferences.



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Weighing Indicators

Specifications

	AD-4405	AD-4406	AD-4407
Input Sensitivity	0.25 μ V/d	0.2 μ V/d	0.25 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	40,000 counts		
A/D Conversion rate	5 times/sec., 10 times/sec.		
Main Display	7-segment, 20mm(H) VFD	7-segment, 25mm(H) LCD	7-segment, 20mm(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)	-	180H (1 Load Cell) 70H (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 3 Relay Outputs
AD-4405-05	RS232C, 3 Relay Outputs and 3 Control Inputs
AD-4405-06	Built-in Printer
AD-4405-07	Analog Output (A-20mA)
AD-4405-08	RS232C, Current Loop Output, 3 Relay Outputs and Control Input
AD-4406-03	RS-422/485 and 3 Relay Outputs
AD-4406-04	RS232C
AD-4406-05	RS232C, 3 Relay Outputs and 3 Control Inputs
AD-4406-07	Analog Output (A-20mA)
AD-4406-08	RS232C, Current Loop Output, 3 Relay Outputs and Control Input
AD-4406-11	Display Stand
AD-4407-03	RS-422/485 and 3 Relay Outputs
AD-4407-05	RS232C, 3 Relay Outputs and 3 Control Inputs
AD-4407-07	Analog Output (A-20mA)
AD-4407-08	RS232C, Current Loop Output, 3 Relay Outputs and Control Input

Accessories

AD-8121B	Dot Matrix Compact Printer
AD-8917	External Display
AD-8512	Digital Comparator
AD-8951	Comparator Light
AD-4379SUS	Summing Box (4 points)
AD-4380	Junction Box
AD-4382	Summing Box (2 points)

Specifications subject to change for improvement without notice.

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