

# 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<sup>+0.1</sup> (W) × 92<sup>+0.8</sup> (H) mm  
 7.32<sup>+0.04</sup> (W) × 3.62<sup>+0.03</sup> (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



# Weighing Indicators

AD-4405/4406/4407

Weighing Indicators

## 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

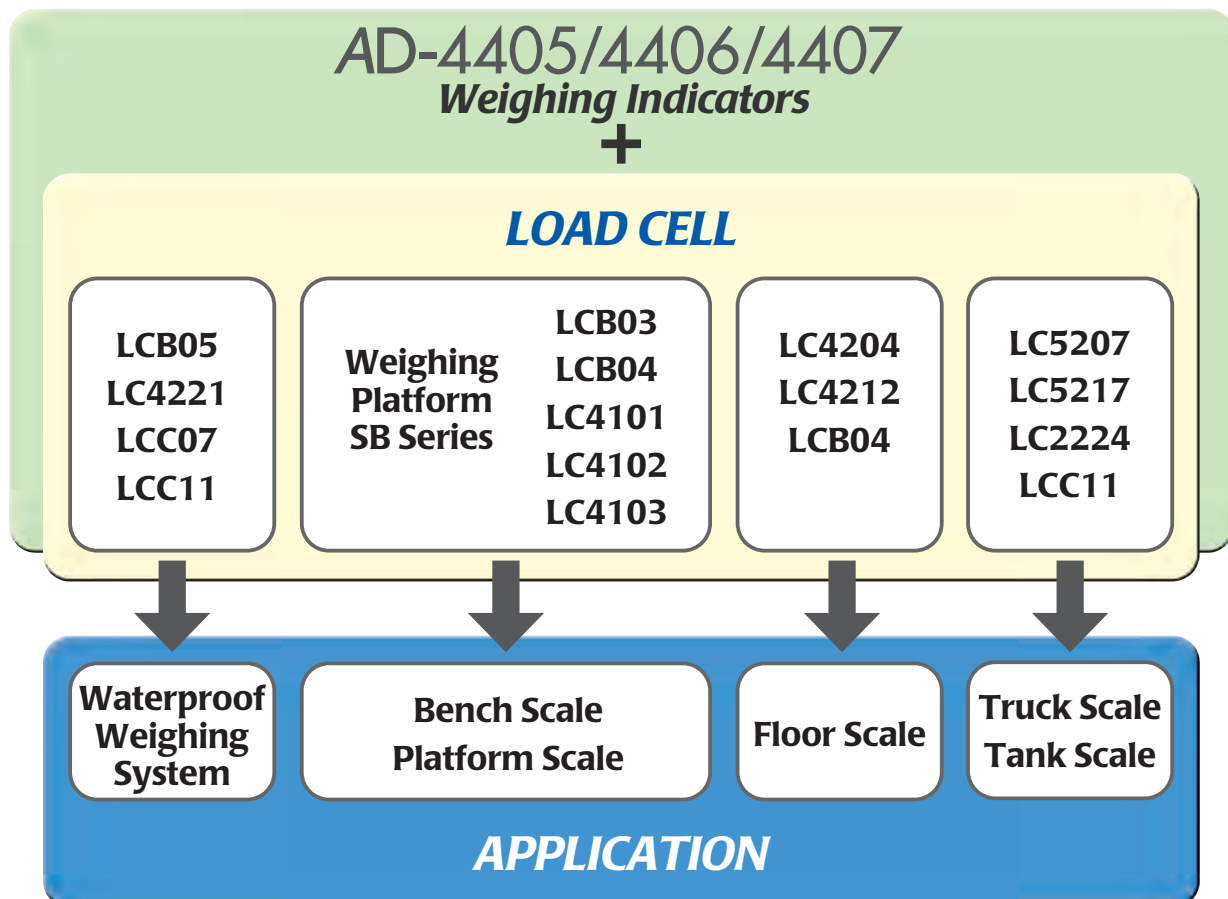
### ● Standard RS-232C for AD-4405 and AD-4407

### ● 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.





# AD-4405/4406/4407

## Weighing Indicators

### Specifications

	AD-4405	AD-4406	AD-4407
Input Sensitivity	0.25 $\mu$ V/d	0.2 $\mu$ V/d	0.25 $\mu$ V/d
Input Signal Range	-1mV ~ 15mV		
Load Cell Excitation	DC 5V $\pm$ 5% 60mA, Remote Sensing (Up to 4 load cells at 350 $\Omega$ /load cell)		DC 5V $\pm$ 5% 120mA, Remote Sensing (Up to 8 load cells at 350 $\Omega$ /load cell)
Zero Temperature Coefficient	$\pm$ (0.2 $\mu$ 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 $\mu$ Vp-p		
Input Impedance	10M $\Omega$ 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.

# A&D

... Clearly a Better Value

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