

AD-4405/4406/4407

Weighing Indicators

Specifications

	AD-4405	AD-4406	AD-4407
Input Sensitivity		0.2µV/d	
Input Signal Range		-1mV-15mV	
Load Cell Excitation	DC 5V±5% 60mA, Remote Sensing (Up to 4 load cells at 350Ω/load cell)		DC 5V±5% 120mA, Remote Sensing (Up to 8 load cells at 350Ω/load cell)
Zero Temperature Coefficient	±(0.2µV+8ppm of dead load)/°C (typically)		
Span temperature Coefficient	±8ppm/°C of reading (typically)		
Non-Linearity	0.01% of full scale		
Input Noise	Less than 0.4µVp-p		
Input Impedance	10MΩ 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, 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 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)	-	180H (1 Load Cell) 70H (4 Load Cell)	-
Operating Temperature	-10~+40°C (14°F-104°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-4406-04	RS232C
AD-4406-05	RS232C, Relay and Control Input
AD-4406-07	Analog Output (A-20mA)
AD-4406-11	Display Stand
AD-4407-03	RS-422/485 and Relay
AD-4407-05	RS232C, Relay and Control Input
AD-4407-07	Analog Output (A-20mA)

Accessories

AD-8118A	Journal Printer
AD-8118B	Universal Printer
AD-8121	Dot matrix Printer
AD-8917	External Display
AD-8512	Digital Comparator
AD-8951	Comparator Light
AD-4379	Summing Box (4 points)
AD-4380	Junction Box
AD-4382	Summing Box (2 points)

Specifications subject to change for improvement without notice.

AND

A&D MERCURY PTY. LTD.
ACN 007 556 809
Head Office
32 Dew Street
THEBARTON
South Australia 5031
Telephone (08) 8301 8100
Facsimile (08) 8352 7409

Victorian Office
Unit 4
Cnr. Arden & Lloyd Streets
KENSINGTON
Victoria 3031
Telephone (03) 9372 1522
Facsimile (03) 9372 1193

Email: sales@andmercury.com.au
Internet page: <http://www.andmercury.com.au>

Your Dealer

New South Wales Office
Unit 2
49 Derby Street
SILVERWATER
New South Wales 2128
Telephone (02) 9748 4766
Facsimile (02) 9748 4724

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 MERCURY PTY. LTD.
www.andmercury.com.au

Many Choices from new Featured Weighing Indicators for your Weighing System Applications

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)
 - Rechargeable battery AD1681
 - Optional AC adapter
- F1, F2 selectable function keys
- Optional RS-232C
- Load cell 350Ω × 4
- Optional stand available



Rear Panel

Panel Cutout
186 $\frac{1}{2}$ "(W) × 92 $\frac{3}{4}$ "(H) mm
7.32" $\frac{1}{2}$ "(W) × 3.62" $\frac{3}{4}$ "(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



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.

