

Trade Scales Limited

A & D Weighing Solutions

AD 4405 / 4406 / 4407 Weighing Indicators

Features

- Universal Flexi Coms – UFC allows you to customise 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

AD-4405 Features

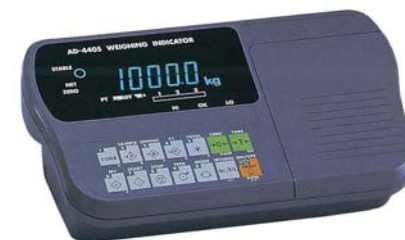
- Built-in Dot Matrix Compact printer as an optional add-on for your weighing data recording
- Bright green VFD 20mm (height) display
- 10 keys for preset tare and unit weight setting etc.
- Counting function

AD-4406 Features

- Big LCD 25mm (height) display
- Multi power supply - Alkaline C type battery, or Rechargeable Battery (AD-1681), or Optional AC adapter
- F1, F2 selectable function keys
- Optional RS-232c
- Loadcell 350Ω x 4
- Optional stand available

AD4407 Features

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



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Specifications

Model	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	-1m ~ 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 x 6 or AD 1681	AC 100/110/120/200/220/230/240V -15 ~ +10% (50/60Hz)
Consumption	30VA	DC9V 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) 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 / 2.87lb	Approximately 680g / 1.5lb	Approximately 1950g / 4.30lb

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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-43821 Summing Box (2 points)

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