



AD-4405



AD-4406

by

 A&D MERCURY PTY LTD

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**
 Two weighing ranges selectable
- **Accumulation Function**
 Accumulative data is stored into memory automatically or manually
- **Comparator Function**
 Comparator output to optional relays (Upper/Lower, HiHi/Hi/OK/Lo/LoLo and Comparison)
- **Simple Batch Weighing**
 Automatic batching and customer programming capability
- **Buzzer Function**
- **Code Memory Function**



AD-4407

Highly featured indicators that gives the range and flexibility to produce the weighing system to suit your application.

TRADE APPROVED
 NMI CERTIFICATE S451

AD-4405

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

- Bright Green VFD 20mm High Display
- Optional Dot Matrix Compact Printer
- 10 Keys for Preset Tare and Unit Weight Setting, Etc.
- Counting Function



REAR VIEW



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 (1 x 350Ω Loadcells)
Battery Life 70 Hours (4 x 350Ω Loadcells)
Optional AC Adapter
- F1, F2 Selectable Function Keys
- Optional RS-232C
- Loadcell 350Ω x 4
- Optional Stand Available



REAR VIEW

Panel Cutout
186 ±_{0.1} mm(W) x 92 ±_{0.8} mm(H)

AD-4407

IP-65 for your dust- and water-proof weighing applications with stainless steel enclosure.

- Bright Green VFD 20mm High Display
- Bracket Supplied as Standard
- 10 Keys for Preset Tare and Unit Weight Setting, Etc.
- Counting Function



REAR VIEW



TECHNICAL DATA

	AD-4405	AD-4406	AD-4407
Input Sensitivity	0.25µV/Division	0.2µV/Division	0.25µV/Division
Input Signal Range	-1mV ~ 15mV		
Loadcell Excitation	5VDC 5% 60mA, Remote Sensing (Up to 4 Loadcells at 350Ω/Loadcell)		5VDC 5% 120mA, Remote Sensing (Up to 8 Loadcells at 350Ω/Loadcell)
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	40,000 Divisions		
A/D Conversion Rate	5 Times/Second or 10 Times/Second		
Main Display	7-Segment, 20mm(H) VFD	7-segment, 25mm(H) LCD	7-Segment, 20mm(H) VFD
Power	AC 220/230/240V -15~+10% (50/60Hz)	AC Adaptor, 6 x C-Type Batteries, or AD1681 Rechargeable Battery Pack (Optional)	AC 220/230/240V -15~+10% (50/60Hz)
Consumption	30VA	DC 9V, 100mA	30VA
Battery Life	N/A	180 Hours (1-350Ω Loadcell) 70 Hours (4-350Ω Loadcells)	N/A
Operating Temperature	-10°C ~ +40°C		
Operating Humidity	Less than 85% RH (Non-Condensing)		
Physical Dimensions	275mm(W) x 111mm(H) x 159mm(D)	192mm(W) x 96mm(H) x 87mm(D)	199mm(W) x 206mm(H) x 80mm(D)
Net Weight	Approximately 1.3kg	Approximately 0.68kg	Approximately 1.95kg

OPTIONS

ORDER CODE	DESCRIPTION
4405-03	RS-422/485, 3 x Relay Outputs
4405-05	RS-232C, 3 x Relay Outputs, 3 x Control Inputs
4405-06	Built-In Printer
4405-07	Analog Output (4-20mA)
4405-08	RS-232C, Current Loop Output, 3 x Relay Outputs, 1 x Control Input

ORDER CODE	DESCRIPTION
4406-03	RS-422/485, 3 x Relay Outputs
4406-04	RS-232C
4406-05	RS-232C, 3 x Relay Outputs, 3 x Control Inputs
4406-07	Analog Output (4-20mA)
4406-08	RS-232C, Current Loop Output, 3 x Relay Outputs, 1 x Control Input
4406-11	Display Stand

ORDER CODE	DESCRIPTION
4407-03	RS-422/485, 3 x Relay Outputs
4407-05	RS-232C, 3 x Relay Outputs, 3 x Control Inputs
4407-07	Analog Output (4-20mA)
4406-07	RS-232C, Current Loop Output, 3 x Relay Outputs, 1 x Control Input

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