AD-4328
Weighing Indicator

Expand Your Potential

ISO 9000 CERTIFIED

A&D Company, Limited
www.aandd.jp

...Clearly a Better Value
The AD-4328 provides power and flexibility at an affordable price. Performs a wide range of applications from batching to simple weighing. It is reliable, accurate and easy to install.

- Accumulative data is stored in memory automatically or manually.
- Comparator output to optional relays (HI/OK/Lo).
- Setpoint comparison for batching applications (Near Zero/Prelim/Target/Free Fall).
- Powered through AC adaptor or external DC (6 to 12V) power supply.
- Front panel protected to IP-65.
- Powers up to 6 load cells at 350Ω.
- Gravity Compensation Function assures accurate weighing without the need for recalibration after transport.
- Standard serial output for printers, external displays, etc.
- Averaging time and width can be selected for various applications.
- Digitally span calibrated by entering a sensor output voltage through the keypad.
- 1/10000 displayed count resolution.
- Mount on panel, column, stand or desk top.
- Can be controlled by external input.
- Enters predetermined tare weight from keypad.
- RFI/EMI protected.
- Meets or exceeds OIML Class III specifications.
- An uncased version of AD-4328 is available (All options are applicable except OP-10 display stand).
Communications

- Platform Scale
- Computer Interface:
  - RS-422/485
  - Max. 10 units, 500m
  - RS-232C, Current Loop
- PLC
  - BCD (Open Collector)
- Packer Scale
  - Relay Outputs
  - Near Zero
  - Prelim
  - Target
  - Free Fall
- External Display
  - RS-232C, Current Loop
- Hopper Scale
  - Relay Outputs
  - Near Zero
  - Prelim
  - Target
  - Free Fall
- Check Weigher
  - Comparator Outputs
  - (Hi/OK/Low)
- External Printer
  - RS-232C, Current Loop

Rear Panel View
- I/O terminals are screw type for easy maintenance.
- AC/DC selectable.
- When connected to both AC & DC, priority is given to AC.
- Remote operation of front keys.

Terminal Locations

1. Option installation
2. Load cell connection terminals
3. AC adaptor connector
4. DC input terminals
5. External front panel switch control
6. Standard serial output
AD-4328
Weighing Indicator

Physical Dimensions

Specifications

Input Sensitivity: 0.2µ/d (Min.)
Input Signal Range: -1mV to +1.5mV
Loadcell Excitation: 5V DC ±5%
Loadcell Drive Capacity: Up to 6 load cells at 350Ω/load cell (Max. 90mA)
Zero Temperature Coefficient: ±(0.2µ/V ± 0.0008%/°C of dead load)°C (typ.)
Span Temperature Coefficient: ±(0.1%/°C of reading)°C (typ.)
Non-Linearity: ±0.1% of full scale
Input Noise: ±0.2µV±p
Input Impedance: 10MΩ or more
A/D Conversion Method: Integrating dual-slope type
A/D Resolution: 40,000 counts (Max.)
A/D Conversion Rate: Approximately 10 times/second
Weight Display: 6 digits, 14.2mm / 0.56" (H) LED
Display Resolution: 10,000 counts (Max.)
Minimum Division: Times X1, X2, X5, X10, X20, X50
Maximum Display: 500000
Under ZERO Indication: ‘-’ minus display
Annunciation: ZERO, MD, CROSS, NET, PRESET TARE, kg/t or kg/lb
Keys: STANDBY/OPERATE, NET/CROSS, PRESET TARE, ZERO, M+, TARE, MODE, PRINT

Power: DC 9V
Net Weight: Approximately 0.8 kg / 1.8 lb
Operating Temperature: -10 °C ~ 40 °C (14 °F ~ 104 °F)
Storage Temperature: -10 °C ~ 70 °C (14 °F ~ 158 °F)
Physical Dimensions: 170(W) × 126 (H) × 199 (D) mm
Panel Cut out Dimensions: 124 ± 0.5 × 162 ± 0.5 mm
Standard Accessories: Manual

Options
OP-01: BCD Output (Open Collector)
OP-02: Comparator Output (Open Collector)
OP-03: RS-422/485 with Relay Output
OP-04: RS-232C/Current Loop/Relay Output
OP-10: Display Stand

Accessories
AC Adaptor: AX-TB163 (120V)
AX-TB164 (220V)
AX-TB173 (240V)

Specifications subject to change for improvement without notice.