

AD-4328

Weighing Indicator



Expand Your Potential



A&D
A&D Company, Limited
www.aandd.co.jp

...Clearly a Better Value

AD-4328 *The Best of th*

Weighing Indicator



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.
- Optional bi-directional RS-232C, RS-422, RS-485 interfaces and BCD, relay, current loop outputs.
- 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).

Low Cost Indications

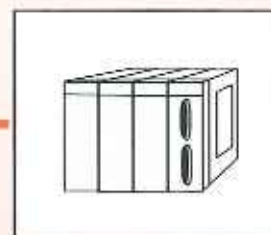
Communications



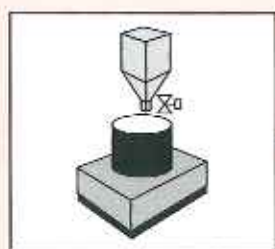
Platform Scale



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/Lo)



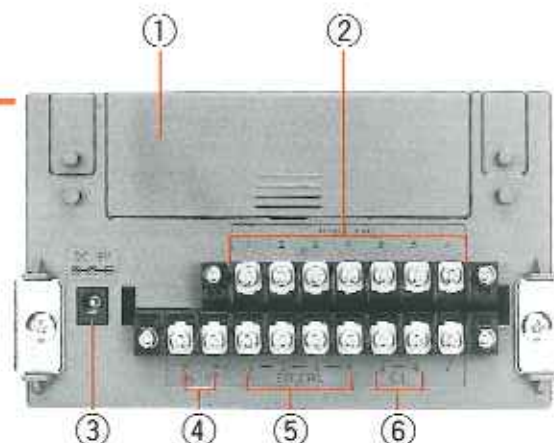
External Printer
Relay Outputs
RS-232C, Current Loop

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

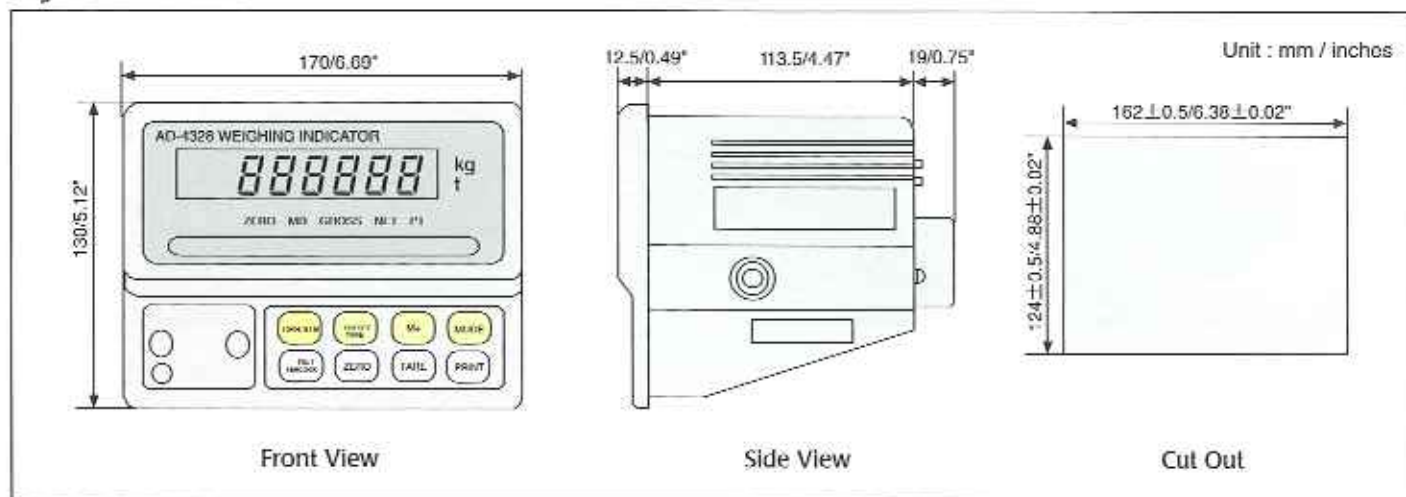
- | | |
|----------------------------------|---------------------------------------|
| ① Option installation | ④ DC input terminals |
| ② Load cell connection terminals | ⑤ External front panel switch control |
| ③ AC adaptor connector | ⑥ Standard serial output |



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Physical Dimensions



Specifications

Input Sensitivity	0.2μV/d (Min.)
Input Signal Range	-1mV ~ +15mV
Loadcell Excitation	5V DC ±5%
Loadcell Drive Capacity	Up to 6 load cells at 350Ω/load cell (Max.90mA)
Zero Temperature Coefficient	±(0.2μV+0.0008% of dead load)/°C (typ.)
Span Temperature Coefficient	±8ppm /°C of reading (typ.)
Non-Linearity	0.01% of full scale
Input Noise	±0.2μVp-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	6digits, 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, GROSS, NET, PRESET TARE, kg/t or kg/lb
Keys	STANDBY/OPERATE, NET/GROSS, PRESET TARE, ZERO, M+, TARE, MODE, PRINT

Power	DC 9V (AC Adaptor or direct input to the terminal)
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 + 19* (D) × 130(H) mm *incl. terminal cover
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

Only one output can be selected from OP-01, OP-02, OP-03 and OP-04.
One to be chosen from RS-422 or 485.

Accessories

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

Specifications subject to change for improvement without notice.

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