

# AD-4329

Weighing Indicator



*Expanding the possibilities.  
Expanding your business.*



**A&D**  
A&D WEIGHING  
...Clearly a Better Value

# AD-4329

## Weighing Indicator

★ **Standard RS-232C Interface**

★ **4-Point digital linearization across the full span**

★ **Triple ranges on weighing capacity are available**

★ **Optional relays for comparators & filling**

★ **Vacuum fluorescent display**



**CAL** — Hidden behind the cover on the front panel. Enter the calibration mode/Enter the CF functions settings.

### Keys

**OPR/STB** — Turns display On/Off. The load cell is still powered when the display is off.  
**PRESET TARE** — Sets the preset tare weight.  
**M+** — Accumulates the displayed weighing value.  
**MODE** — Displays and clears the accumulated weighing values. Used in calibration.

**NET/B/G NET/GROSS** — Switches between net and gross weights.

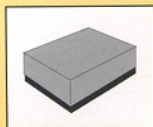
**0 ZERO** — Sets the zero point.  
**T TARE** — Subtracts the tare weight.  
**PRINT** — Outputs data to a peripheral device such as a printer. Save parameters in the Function settings.

*The AD-4329 is your best choice for a variety of applications: platform scale, packer scale, hopper scale, truck scale, checkweighing...*

- Vacuum fluorescent display.
- Accumulative data is stored into memory automatically or manually.
- Comparator output (HI/OK/LO) to optional relays.
- Set-point comparison for batching applications. (Near Zero/Prelim/Target/Free Fall)
- Selectable weighing ranges.(up to triple ranges)
- Standard RS-232C.
- 4-point digital linearization.
- 1/20,000 displayed count resolution.(maximum)
- Powers up to 8 units of load cells at 350Ω.
- Average time and width can be selected for various applications.
- RFI/EMI protected.
- Meets OIML Class III specifications.
- Mount on panel, column or desk top.
- Enters predetermined tare weight from keypad.
- Can be controlled via external input.

# Expanding the Possibilities

The AD-4329 is expanding your business through price performance and application diversity.



Platform Scale  
(See SB Series on back page)



PC Interface  
Standard RS-232C



Truck Scale



Packer Scale  
Relay output  
• Near Zero  
• Prelim  
• Target  
• Free Fall

AD-4329



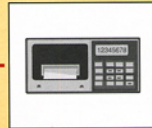
External Display  
AD-8920



Hopper Scale  
Relay output  
• Near Zero  
• Prelim  
• Target  
• Free Fall



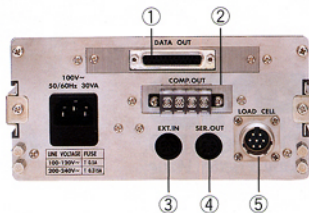
Conveyor  
Base  
Checkweigher  
Comparator output  
(HI/OK/LO)



Printer  
AD-8118A/B

## Rear Panel View

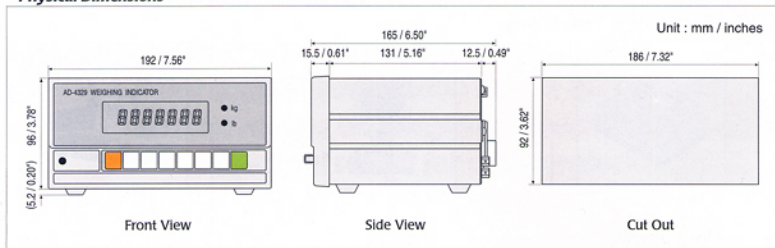
- ① Standard RS-232C interface or optional BCD output (option AD-4329-01)
- ② Optional relay outputs (AD-4329-02)
- ③ External control input
- ④ Standard current loop output
- ⑤ Load cell connector



# AD-4329

## Weighing Indicator

### Physical Dimensions



### Specifications

Input Sensitivity	0.2 $\mu$ V/d (Min.)
Input Signal Range	-1mV to +15mV
Load Cell Excitation	5V DC $\pm$ 5%
Load Cell Drive Capacity	Up to 8 units of load cell at 350 $\Omega$ (120mA)
Zero Temperature Coefficient	$\pm$ (0.2 $\mu$ V+8ppm of dead load)/ $^{\circ}$ C (typ)
Span Temperature Coefficient	$\pm$ 8ppm/ $^{\circ}$ C of reading (typ)
Non-Linearity	0.01% of full scale
Maximum Input Noise	Less than 0.4 $\mu$ Vp-p
Input Impedance	10M $\Omega$ or more
A/D Conversion Method	Integrating dual slope type
A/D Internal Resolution	40,000 counts
Maximum Display Resolution	20,000 counts (maximum)
A/D Conversion Rate	Approximately 10 times/sec.
Weight Display	Vacuum Fluorescent Display, 7-digit, 7-segment, 13mm (character height)
Annunciator	Stable, Zero Point, Gross, Net, Tare, Accumulation, kg/t or lb

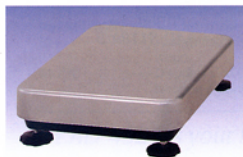
Keys	STANDBY/OPERATE, NET/GROSS, PRESET TARE, TARE, ZERO, M+, MODE, PRINT
Power Supply	100 to 240V AC (to be switched on voltage request), 45 to 65Hz, 30VA
Net Weight	Approximately 1.8 kg / 4.0 lb
Dimensions	192(W) $\times$ 96(H) $\times$ 165(D) mm (compliance with DIN)
PANEL Cut-out Dimensions	186(W) $\times$ 92(H) mm
Operating Temperature	-10 $^{\circ}$ C to 40 $^{\circ}$ C (14 $^{\circ}$ F to 104 $^{\circ}$ F)
Storage Temperature	-10 $^{\circ}$ C to 70 $^{\circ}$ C (14 $^{\circ}$ F to 158 $^{\circ}$ F)

### Options

AD-4329-01	BCD output (replaces standard RS-232C)
AD-4329-02	Relay outputs (3) 250 VAC or 30 VDC

### Standard accessories

• AC cable (2 meters)	• Load cell input plug	• Capacity sticker
• External input plug	• Rubber foot (4 pcs)	• Current loop output plug



### Weighing Platform

#### SB Series

Splash and Dust Proof, equivalent to IP-65.

Model	Capacity (kg/lb)	Pan size (mm/inches)	Net weight (kg/lb)
SB-15K10	15/30	250 $\times$ 250/9.8 $\times$ 9.8	4.5/9.9
SB-60K11	60/150	330 $\times$ 424/13.0 $\times$ 16.7	8.0/17.6
SB-100K12	100/200	390 $\times$ 530/15.4 $\times$ 20.9	14.0/30.8
SB-200K12	220/500	390 $\times$ 530/15.4 $\times$ 20.9	14.0/30.8

Rated output 1mV/V  $\pm$  10%

Specifications subject to change for improvement without notice.

**AND**  
A&D WEIGHING  
...Clearly a Better Value

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