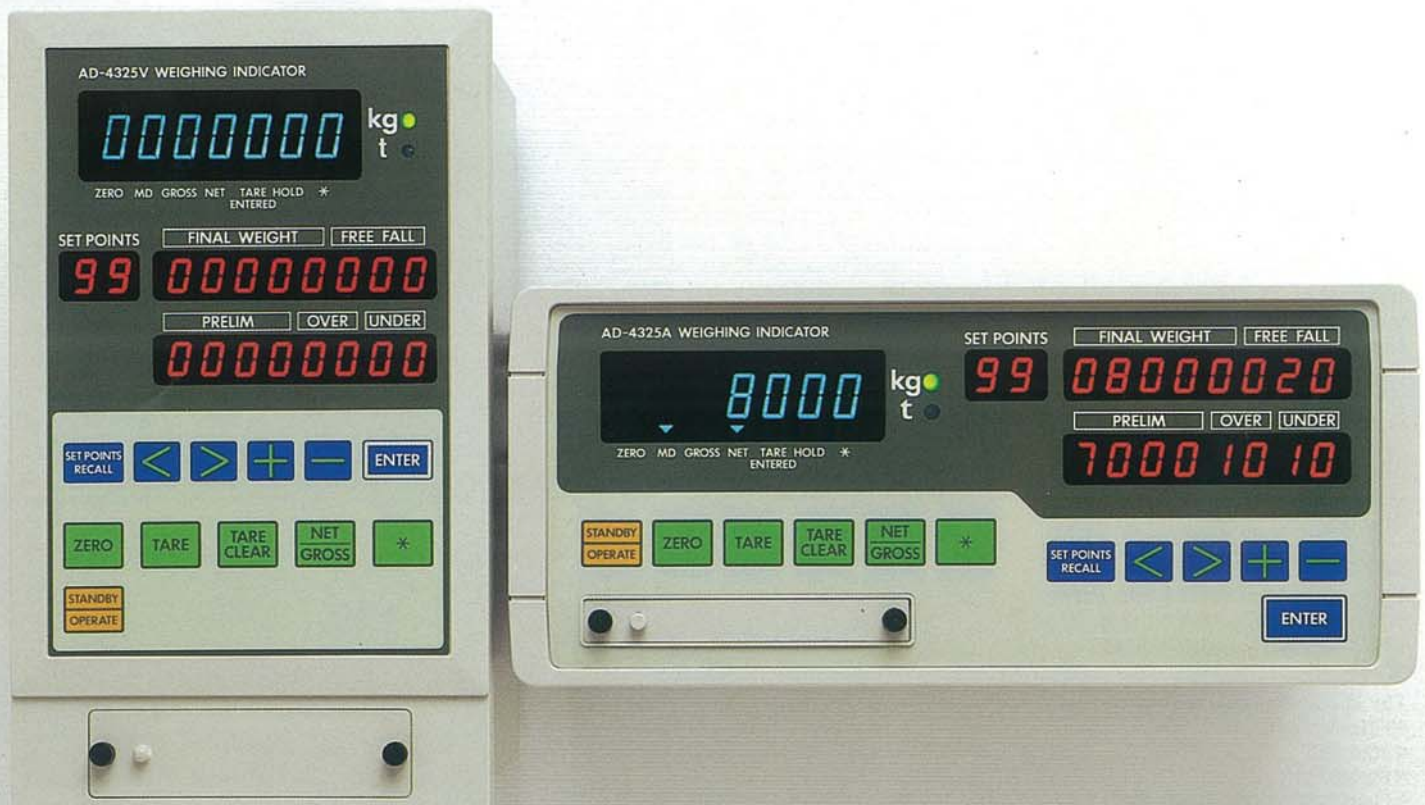


AD-4325AV

Batching Control Indicators



Store up to 100 Setpoint Sets by individual code numbers

Fast, Rugged, Versatile and Reliable Batching Control Indicators for Dynamic and Process Weighing Applications



AND ...Clearly a Better Value
A&D Company, Limited

Fast, Efficient, Memory for 100 Setpoint S

AD-4325A and AD-4325V.....

State-of-the-art weighing and batch control indicators.

The AD-4325A and AD-4325V (vertical) are high performance weighing indicators that offer memory for 100 Setpoint Sets, Built-in Multi-Ingredient Batching & Loss-in-Weight applications, and networking capabilities in one economical, compact unit.

FAST

High speed sampling rate of 70 times per second exceeds most operational requirements.

EFFICIENT

Compact rack or table mount enclosure.
Terminal block connection for power, load cell and control I/O interface.
Full Digital Calibration.
Easy-to-operate System Diagnostics.
Wide Range of Selectable Operating Parameters.
Complete operational control via the Serial Interface
Optional RS-422 Networking capability, up to 10 units at 500 meters (1600 ft)
Optional internal relay output board for direct connection to external field devices.

SETPOINT MEMORIES

Up to 100 coded sets of setpoint values can be stored into memory, and easily recalled from the front panel, personal computer (via, serial interface), thumbwheel (via, standard interface connector), or PLC.

The 100 coded memory information blocks (00 to 99) contain:

- Final Weight
- Free Fall
- Preliminary
- Over and Under Weighing
- Accumulated Weight and Count totals for Each Set Point
- Data Backed Up in Memory for up to 10 Years

SIMPLE OPERATION

Full Function Front Keyboard

- Easy Data Entry
- Keyboard Recalls Accumulated Totals
- Keyboard Recalls All Set Point Data

Serial Interface Integration

- Optional RS-232C or RS-422 buffered output
- Input Commands
- Change Set Point Parameters
- Retrieve Accumulated Totals



AD-4325V

Flexible Operation

The AD-4325A and AD-4325V are designed for flexible operation. They may be used for normal batching or loss in weighing batching. Both may be operated in either the Fully Automatic Mode or User Programmed Mode.

Fully Automatic Mode allows the batching operation to be started and completed automatically without the intervention or assistance of an operator.

User Programmed Mode allows the operator to have some control of the batching process, such as manually adding ingredients during the operation, or manually starting a new batch.

In either case, the programmability of the AD-4325A and AD-4325V allows the operator to enter settings that adjust the unit for almost any environmental factor. Additionally, Auto Zero Maintenance, Automatic Free Fall Compensation, and the Comparator Inhibitor Function, which guards against gate vibration, assure the user of accurate and reliable batching capability.

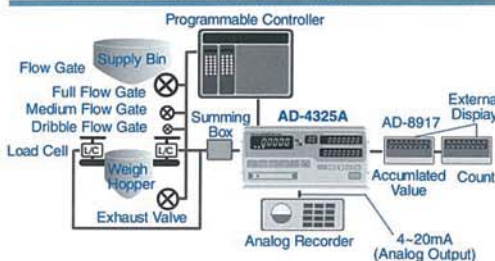
ets and Simple Operation

- 1/16000 display resolution.
- Large sealed keys – dust and water-resistant.
- Weight indications:
 - Display** ————— 7-digit, 13mm cobalt-blue fluorescent
 - LED annunciators** ————— 18 digit, 10mm red
- Current Loop interface (serial output) comes standard.
- The data can be output to the printer (AD-8118A/B) and the external indicator (AD-8917).
- Full Digital Calibration (FDC™)
- Protected from electromagnetic interference (EMI) and radio frequency interference (RFI)
- Watchdog circuitry eliminates malfunctions associated with some computer driven machinery.
- Front panel keys can be disabled for simple operation.

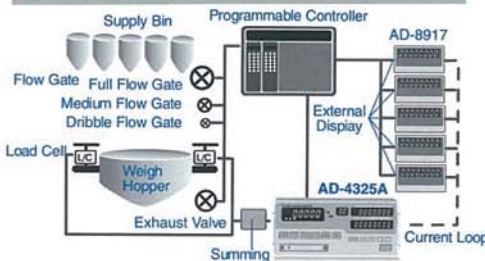


AD-4325A

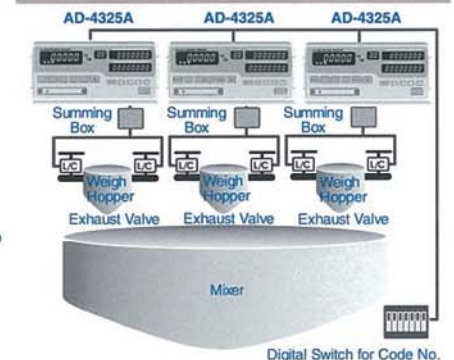
Normal Batching



Multi-Ingredient Batching



Mixing application

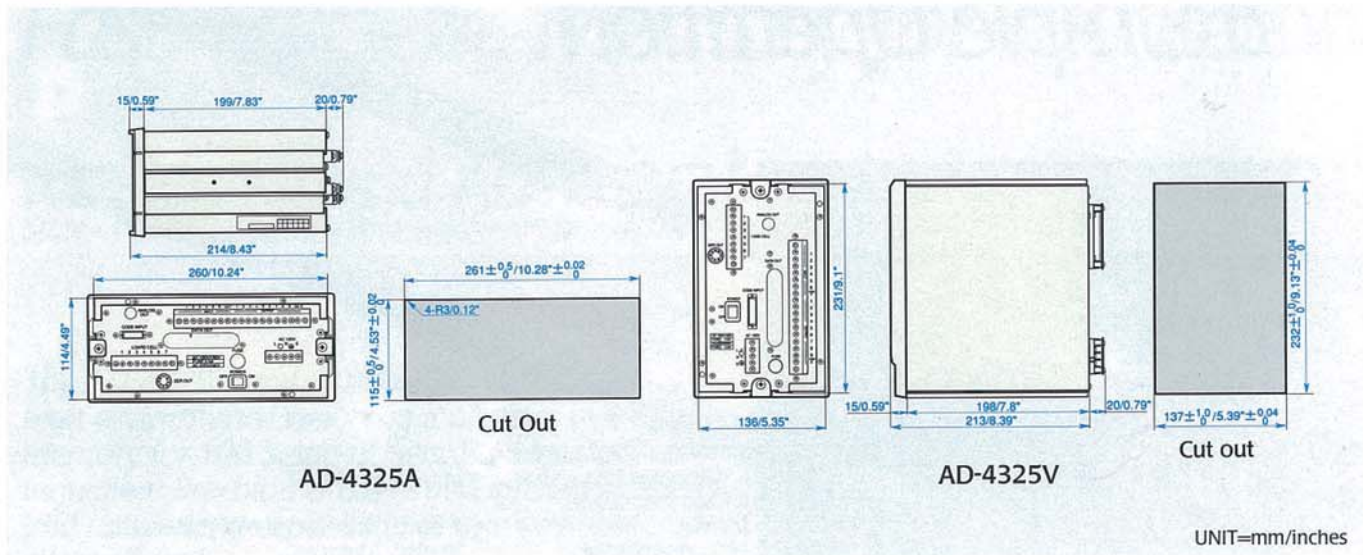


External Thumbwheel Switch

Using an external digital thumbwheel switch (1 or 2 digit), one of the 100 setpoint sets can be easily selected. Also, accumulated totals and setpoint data can be viewed quickly by simply selecting the desired code number.

The Mixing Application allows parallel batching of multiple ingredients (using multiple weigh hoppers & indicators). For example, a digital thumbwheel switch can be connected to all the indicators to select a 'formula' for the mixing operation. Up to 100 formulae can be stored and selected simply by using the single digital thumbwheel switch.

Dimensions



Specifications

Input Sensitivity	0.3 μV/D or above
Maximum Input	36mV
ZERO Adjustment Range	0.35mV to 24mV
Load Cell Excitation	12V DC ±5% 280mA, Remote Sensing (can be connected to up to eight 350Ω load cells)
Non-Linearity	0.01% F.S.
Zero Temperature Comp.	±(0.2μV + 0.0008% of Dead Load)/°C TYP
Span Temperature Comp.	±0.0008%/°C TYP
Input Noise	±0.3μ Vp-p
Input Impedance	10MΩ or above
A/D Conversion Method	3 phase, true integrating dual-slope type
A/D Resolution	96,000 counts Max.
A/D Conversion Rate	Approx. 70 times/sec.
Max. Display Resolution	1/16000
Main Display	7-segment, 7-digit cobalt-blue display, VFD screen at 13mm character size display the weight.
Unit Indication LED	2 types (kg, t)
Control Keys	6 keys (ZERO key, TARE key, TARE CLEARED key, NET/GROSS key, * key, STANDBY/OPERATE key)
Set Point Display	7-segment, 2-digit LED
Set Point Control Keys	6 keys (SET POINT RECALL*) key, "<" key, ">" key, "+" key, "-" key, ENTER key)
Dip-Switches	4 switches (S1 is for the Systems Check, S2 is for Calibration, S3 is for the F-Function mode, S4 is for Front Panel key enable/disabling)
Power Requirements	100, 117, 200, 220 or 240V AC, (+10%, -15%) 50/60Hz, Approx. 30VA
Operating Temperature	-5°C to 40°C (23°F to 104°F)
Maximum Humidity	85% (non-condensing)
Storage Temperature	-15°C to 70°C (5°F to 158°F)
Dimensions	AD-4325A 270(W) x 120(H) x 234(D) mm 10.6(W) x 4.7(H) x 9.2(D) inches AD-4325V 144(W) x 240(H) x 233(D) mm 5.5(W) x 9.4(H) x 9.2(D) inches

Options

- OP-01 Parallel BCD Output (Open Collector)
- OP-02 Relay output
- OP-03 Serial Interface RS-422A (Input/Output)
- OP-04 Serial Interface RS-232C (Input/Output)/Current Loop
- OP-07 4-20mA Analog Output (passive)

Peripheral

The AD-8917 External Display

- Up to 10 units can be daisy chained to the indicator for remote monitoring of the weighing system.
- Can be located up to 320ft (100 meters) from the AD-4325A or the AD-4325V
- Power Requirements
100, 117, 200, 220 or 240V AC, 50/60Hz
- Dimensions
144(W) x 72.9(H) x 179(D) mm
5.7(W) x 2.8(H) x 7.1(D) inches
- Panel Cutout
138±1.0/-0(W) x 68±0.7/-0(H) mm
5.4±0.04/-0(W) x 2.7±0.03/-0(H) inches



Standard Accessories

- Fuse, Capacity Sticker, Serial Connector, Code Input Connector

*Specifications subject to change for improvement without notice.

A&D

...Clearly a Better Value

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**ADC-4325A/V-030403-08H7