

AD-5200/5300 WEIGHT INDICATOR



APPLICATIONS

- Gross, tare and net weighing
- Vehicle and railroad weighing
- Multi-container or axle weighing
- Parts counting and weighing
- Weigh system interface to Distributed Control System
- Batching and process control systems
- Drum filling, tank, hopper, bench and floor scales
- Over/Under check-weighing and material-testing
- Chemical and washdown environments

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

AD-5200/5300 WEIGHT INDICATOR

STANDARD FEATURES

SCALE SPECIFICATIONS

Display	Bright red LED; 1-inch x 6-digit numeric
Status Indicators	Gross, Net, Motion, Zero, LB, kg (LED)
Keyboard	19-key sealed tactile feel membrane
Internal Resolution	20-bit A/D Sigma-Delta; 1,048,000 d
Display Resolution	200,000 dd industrial; 10,000 dd HB44
Display Increments	Selectable 1, 2, 5, 10, 20, 50, 100
Decimal Point	Selectable 0, 1, 2, 3, 4 decimal places
Conversion Rate	60 samples/second typical
Signal Sensitivity	0.1 uV/graduation (min)
Signal Range	0.5 mV/V to 6mV/V
Load Cell Excitation	10 ± 0.5VDC (-5 to +5)
Load Cell Power	12 x 350 W or 24 x 700 W load cells
Auto Zero Tracking	0-60 dd in 1/4 dd increments
Auto Zero Delay	0-25 seconds in 0.1 second increments
Motion Detect	0-60 dd in 1/4 dd increments
Motion Delay	0-25 seconds in 0.1 second increments
Digital Filter	0-18 selectable filter (DSP) levels
Calibration	Selectable multi-point (up to 5) digital calibration to linearize input signal
Watchdog Timer	Enable/disable fault tolerant operation
RFI Protection	Signal, excitation and sense lines
RAM	32K provides 500 ID storage (parts, etc)

COMMUNICATIONS

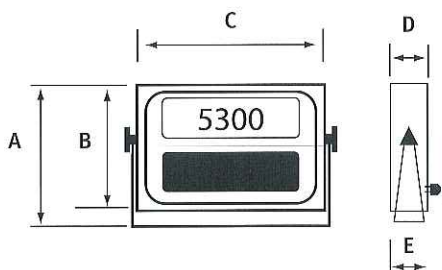
Serial Port 1	Simplex RS232 or 20mA current loop
Serial Port 2	Duplex RS232, 20ma or RS485
Digital Port	3 inputs and 3 outputs; Low active (TTL)
Print Formats	4 user configurable print formats

GENERAL SPECIFICATIONS

Power	110/220VAC ±10% @ 50/60Hz or 12-28 VDC
Power Consumption	10W @ 115VAC; 6W @ 12VDC
Operating Temperature	-10 to +40 °C
Enclosure	NEMA 4/IP66 stainless steel washdown
Weight	6 lbs (2.72 kg)
Warranty	Two-year limited

DIMENSIONS

A = 7.63" (19.38 cm)
B = 6.88" (17.48 cm)
C = 8.56" (21.74 cm)
D = 2.00" (5.08 cm)
E = 3.00" (7.62 cm)



OPTIONS

Parts counting	Parts counting and weighing program
Analog Output Module	Fully isolated 0-10VDC or 4-20mA; 16-bit resolution; 650W load resistance
Relay Box	4-channel external relay box
Relay Modules	Input/output solid-state (AC/DC) relays
Clock Module	Time and Date Clock Y2K and Leap Year compliant
High Speed (HS)	100 samples/second conversion rate; high-speed process control applications
EZ-LINK™	PC software; facilitates configuration and Scale Basic programming



AD-5200 painted steel

AD-5300 stainless steel

MODES OF OPERATION

MODE 0 – Normal

Basic gross, tare and net weighing

MODE 1 – Fill to Setpoint

Single setpoint fill with relay output control and weight print

MODE 2 – Over/Under Checkweigh

Provides 3 TTL outputs and 2 setpoints to indicate over, under and-between weight conditions. Outputs can activate lights or alarms

MODE 3 – Vehicle Weigh-In/Out with Totals

Weigh-In/Out program for up to 500 vehicles; Maintains running totals for each vehicle; Provides reporting functions

MODE 4 – Multi-Container/Axle Auto Weighing

Auto weighs and prints each weight placed on the scale; Each weight is sequentially numbered and accumulated; The total can be printed manually or automatically; Provides traffic light control

MODE 5 – Auto Axle Weigh (Long Scales)

Same as Mode 4 but previous axles are auto tared

MODE 6 – ID Tare, Print and Total

Provides tare entry and recall by ID; Prints ID, sequence # and GTN weights; Keeps running totals by ID; Provides reporting functions

MODE 7 – Peak Hold Mode

Display or print the peak gross or net weight



MADE IN U.S.A.

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