

AD-4322A MKII

Weighing Indicator

**Performance &
Functions
for a
Fast, Complete
Weighing System**



Features

- High 1/20,00 Resolutions, 16 times per second sampling speed.
- 10-key Keypad for easy tare value entry.
- 100 code Memory Information Blocks that contain Tare, Comparator Limits, Running Code Total Weight, and Number of Weighing Events for each separate coded item.
- 50 Tare Weights can be stored in memory by ID number.
- Full Digital Calibration makes zero and span calibration a simple task.
- Digital Linearization Function to compensate for non-linearity of load cells.
- Lb/Kg Conversion.
- Watchdog™ Circuitry monitors the CPU and automatically resets the unit for normal operation if a software crash develops.
- Completely screened from RFI for operation in environments high in electrical noise.

NTEP Approval #89-037.A2

Fax-on-Demand
(800) 726-7099, Press 2 / (408) 263-2278
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www.andweighing.com

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



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Phone: (408) 263-5333
Fax: (408) 263-0119

Specifications AD-4322A MKII

Analog Input and A/D Conversion

Input Sensivity	0.6 μ V/D or greater (d="min.division" or "graduation")
ZERO Adjustment Range	-6mV to +30mV
Load Cell Excitation	12V DC \pm 5% 280mA (up to 8 load cells at 350 Ω /load cell)
ZERO Temperature Coefficient	\pm (0.2 μ V + 0.0008% of dead load) / $^{\circ}$ C
Span Temperature Coefficient	8ppm / $^{\circ}$ C of reading
Non-Linearity	\pm 0.01% of full scale
Input Noise	\pm 0.3 μ Vp-p
Input Impedance	10M Ω minimum
A/D Conversion Method	3 phase, true integrating dual-slope type
A/D Resolution	330,000 counts max.
A/D Conversion Rate	Approx. 16 times/second (63m sec./conversion)

General

Power	100,117,220,240V AC +10%- 15% 50/60Hz
Net Weight	Approx. 3.5 kg / 7.8 lbs.
Operating Temperature	-10 $^{\circ}$ C~40 $^{\circ}$ C (14 $^{\circ}$ F~104 $^{\circ}$ F)
Storage Temperature	-15 $^{\circ}$ C~85 $^{\circ}$ C (-5 $^{\circ}$ F~185 $^{\circ}$ F)
Maximum Humidity	85% (non-condensing)
Physical Dimensions (mm)	310 (W) x 149 (D) x 192 (H)
Physical Dimensions (inch)	12.2 (W) x 5.9 (D) x 7.6 (H)
Panel Cutout Dimensions (mm)	294+1.0/-0(W) x 174+0.5/-0(H)
Panel Cutout Dimensions (inch)	11.6+0.04/-0(W)x6.9+0.02/-0(H)
Memory Battery Backup	Lithium, over 6 years without AC power

Specifications are subject to change for improvement without notice

Options

- AD-4322-01 ... Parallel BCD Output
- AD-4322-01A. BCD Output TTL Level (board mod.)
- AD-4322-02 ... External I/O
- AD-4222-04 ... Serial Interface (RS-232C/Current Loop)
- AD-4322-07 ... Analog Output (4-20mA)
- AD-4322-08 ... Built-in Printer (unit loses dust and water resistance with this option)
- AD-4322-09 ... Time/Date (requires AD-4322-08)
- AD-4322-10 ... Panel mounting kit
- AD-4322-11 ... Wall mounting kit

Digital Section

Weight Display	High intensity 7-digits, 13mm (h) blue fluorescent
Tare Display	High intensity 8-digit, 11mm (h) blue fluorescent
Display Resolution	20,000 counts (max)
Minimum Division	Times 1,x2,x5,x10,x20,x50
Maximum Display	"999950"
Under ZERO Indication	"-" minus sign
"ZERO" Annunciator	Center of ZERO (0 \pm 0.25D)
"MD" Annunciator	Motion detection
"GROSS" Annunciator	GROSS Mode
"NET" Annunciator	NET mode
"TARE" Annunciator	Tare is currently displayed
"UNDER" Annunciator	Weight value is under set lower limit
"ACCEPT" Annunciator	Weight is over set lower limit, under set upper limit
"OVER" Annunciator	Weight value is over set upper limit
"lb" Annunciator	Pounds displayed (lb or kg version)
"kg" Annunciator	Kilograms displayed
"t" Annunciator	Tonne displayed (kg or t version)
STANDBY/OPERATE Key	Activates display & functions
ZERO key	ZERO's the display when stable
TARE key	Tare when stable - in NET mode, display ZERO
GROSS/NET Key	Changes from "GROSS" to "NET" and vice versa
PRINT Key	Prints, or sends print command to printer via current loop AD-4322-01 or AD-4322-04
CODE Key	Records CODE information
ID/TARE Key	"STORE" mode: Stores TARE weight into memory "RECALL" mode: Recalls stored TARE weight from memory
CLEAR Key	CLEAR's the stored TARE or CODE info
ENTER Key	ENTERS the Display/moves to next level
M+ Key	Adds displayed weight to memory
M- Key	Subtracts displayed weight from memory
TOTAL Key	Display the TOTAL weight in memory
FEED Key	Paper feed (optional built-in Printer, AD-4322-08)

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