This document courtesy of:

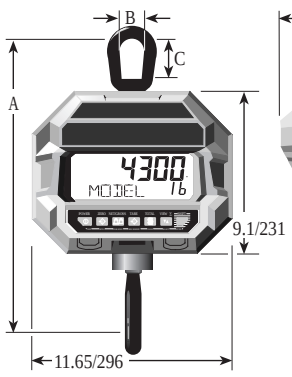
Data Weighing Systems, Inc.

Contact Us

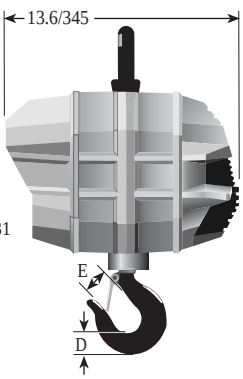
For immediate assistance call
1-800-750-6842

MSI-4300 PORTA-WEIGH PLUS • SPECIFICATIONS

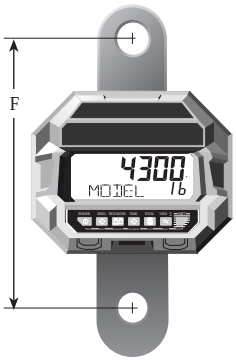
CR= Crosby or equivalent.
* These dimensions also apply to 50/70/100,000 pound models with hook and shackles.
** Resolution subject to change for NTEP and OIML approved units.
*** Ultimate overload - 490% of kg capacity.
**** Ultimate overload - 475% of lb capacity/430% of kg capacity.
***** Ultimate overload - 450% of kg capacity.



FRONT VIEW



SIDE VIEW



FRONT VIEW
(50/70/100,000 LB MODELS)

Note: 50/70/100,000 lb models come standard with top shackle & bottom swivel hook.

DIMENSIONS AND SPECIFICATIONS

CAPACITY	RESOLUTION**	A*	B*	C*	D*	E*	F	HOOK	EYE NUT OR SHACKLE	APPROX. SHIP WT.
500 lb	0.2 lb	18.3 in	2.25	3.06	1.44	1.34	-	3 ton	CR #7	53 lb
250 kg	0.1 kg	465 mm	57.1	77.7	37.0	34.0	-	Swivel	Eye Nut	24 kg
2,000 lb	1 lb	18.3 in	2.25	3.06	1.44	1.34	-	3 ton	CR #7	53 lb
1,000 kg	0.5 kg	465 mm	57.1	77.7	37.0	34.0	-	Swivel	Eye Nut	24 kg
5,000 lb	1 lb	20.5 in	2.50	3.50	1.81	1.69	-	5 ton	CR #8	62 lb
2,500 kg	0.5 kg	521 mm	64.0	89.0	46.0	42.9	-	Swivel	Eye Nut	28 kg
10,000 lb	2 lb	20.5 in	2.50	3.50	1.81	1.69	-	5 ton	CR #8	62 lb
5,000 kg	1 kg	521 mm	64.0	89.0	46.0	42.9	-	Swivel	Eye Nut	28 kg
20,000 lb	5 lb	28.5 in	4.00	6.25	2.59	2.25	-	10 ton	CR #11	105 lb
10,000 kg	2 kg	724 mm	101.6	159	65.8	57.2	-	Swivel	Eye Nut	47 kg
30,000 lb	10 lb	30.0 in	4.00	6.25	3.00	3.00	-	15 ton	CR #11	125 lb
15,000 kg	5 kg	762 mm	101.6	159	76.2	76.2	-	Swivel	Eye Nut	55 kg
50,000 lb	10 lb	41.0 in	5.00	6.00	3.66	3.63	15.0	25 ton	CR 25 ton	235 lb
25,000 kg	5 kg	1041 mm	127	152	93.0	92.0	381	Swivel***	Shackle #2130	106 kg
70,000 lb	20 lb	43.2 in	5.00	6.00	4.56	3.75	15.0	35 ton	CR 40 ton	270 lb
35,000 kg	10 kg	1097 mm	127	152	116	95.0	381	Swivel****	Shackle #2140	121 kg
100,000 lb	20 lb	52.1 in	5.75	6.65	5.06	4.25	16.25	CR 45 ton	CR 55 ton	420 lb
50,000 kg	10 kg	1324 mm	146	169	129	108	413	S1 Swivel*****	Shackle #2140	189 kg

CONSULT FACTORY FOR HIGHER CAPACITIES. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

STANDARD PRODUCT SPECIFICATIONS

Accuracy: Plus or minus 0.1% of applied load
Display:
- 6 digit, 1.6 in./40 mm high numeric LCD (upper)
- 8 digit, 0.8 in./20 mm high numeric LCD (lower)
- Annunciators for measurement modes
- Photocell activated electroluminescent backlighting

Filtering: Low, Medium or High selectable
Display Contrast: Adjustable
Pounds - Kilograms - Tons - Metric Tons: Switch selectable
Power: 8 disposable "D" size alkaline cells
Operating Time:
- Maximum 2000 hours (no backlight)
- Minimum 250 hours (operating time will vary with on/off duty cycle and with use of backlight)

Operating Temperature Range: 14° to +140° F (-10° to +60° C)
Enclosure: NEMA IV, alodined cast aluminum
Safe Overload: 200% of rated capacity
Ultimate Overload: 500% of rated capacity (except as noted)
Hook: Crosby thrust bearing swivel hook or equivalent

STANDARD FUNCTION SWITCHES

POWER: Turns unit ON or OFF
ZERO: Zeros applied load up to 100% of capacity (limited range with NTEP or OIML option)
NET/GROSS: Switches unit between NET and GROSS
TARE: Tares applied load and displays weight in Net mode
TEST: Provides on-demand functional test

OPTIONAL 7 KEY CONFIGURATION

Includes all of the above, plus:

TOTAL Σ: Accumulates weighments (automatically or manually)
VIEW: Displays current total value
SETUP: Menu of selectable operating parameters (includes Set Points)
CLEAR: Dispose of previously entered values
SELECT: Controls menu of selectable parameters
ENTER: Entry of numeric values and selectable operating parameters
PEAK HOLD: Captures and holds maximum load
TARE MEMORY: Stores up to 10 tare values

OPTIONS AND ACCESSORIES

- 7 Key configuration
- NTEP and OIML approved for use in commercial trade (Contact factory for U.S. and International specs Class III & IIIL)
- Substitute shackle for bottom swivel hook (possible headroom loss reduction)
- Oversized top lifting eye or shackle
- AC/DC input power 115/230 VAC and 12 - 250 VDC (Specify required voltage)
- RS232 data output
- Audible alarm
- IR Remote Controller

1. The MSI-4300 Porta-Weigh Plus crane scale is an ideal unit for heavy-duty applications in severe environments.
2. For heavy-duty applications requiring remote radio telemetry display and/or computer interface, MSI recommends model MSI-6260 Trans-Weigh.
3. For high heat or hazardous area applications, MSI recommends model MSI-4260

"We Weigh Quality First"

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Measurement Systems International
14240 INTERURBAN AVENUE SOUTH
SEATTLE, WASHINGTON 98168-4660 U.S.A.
Ph: 206-433-0199 • Fax: 206-244-8470
Web: www.msiscales.com • Email: info@msiscales.com