

Midrics Complete Scales

Turnkey scale systems for bench and floor applications



Low cost, durable scales are shipped pre-assembled in a single package. Midrics complete scales are ready to weigh out-of-the-box, no indicator setup or wiring necessary. The most popular combinations of capacity, platform size and construction materials are available for diverse weighing needs. Select basic weighing or advanced applications with product ID, parts counting and multi-range capability.

The right solution for all of these applications:



Weighing



Counting



Filling and
dosing



Formulation



Fill quantity
control

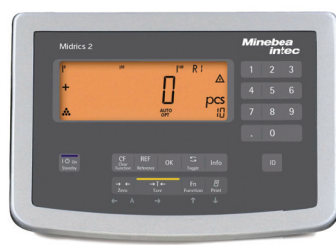


Classification

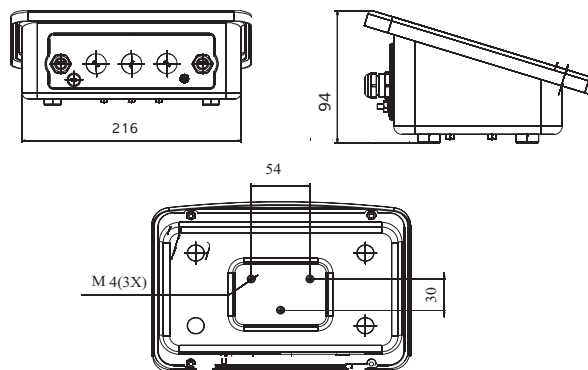
Complete Scale Indicators



Midrics 1



Midrics 2



Applications and Hardware

Standard Hardware	Midrics 1	Midrics 2
Keyboard	5 keys	23 keys (incl. numeric keypad)
Display	14 segments 20 mm weight readout	14 segments 20 mm weight readout Application symbols

Standard Applications	Midrics 1	Midrics 2
Weighing	•	•
Data transfer to printer or PC	•	•
Parts counting		•
Percentage weighing		•
Averaging		•
Checking/classification		•
Totalizing		•
Net total		•
Four Product ID's up to 40 characters each	•	•
Date/Time (US and military format)	•	•

Available Data Interfaces

Optional Interfaces	Midrics 1	Midrics 2
Unicom RS232 YDO01M-232CO	•	•
RS485 / RS422 YDO01M-485	•	•
Digital I/O, 5 input, 5 output YDO01M-IO	•	•
Analog output, 4-20 mA, 0-20 mA, 0-10 V YDA01M-20MA	•	•
Ethernet TCP/IP, Modbus TCP YDO01M-EN	•	•
COM1 RS232 (incl. time/date) YDO01M-232CLK	•	•

Midrics Indicator Technical Information

Parameters	Description
Load cell connection	Supply voltage: 8.4 V
Bridge impedance	Sensor technology available: 4 or 6 wire technology 83 ohm up to
Measuring signal hub	2,000 ohm 0 mV to 29.4 mV
Measurement signal / calibration	min. 0.672 μ V/e
value Sensitivity	Max. 4 M divisions (internal)
Net weight	(Approx.) 2.3 kg

Base and Indicator Combinations

Galvanized Frame / Stainless Platform / IP65

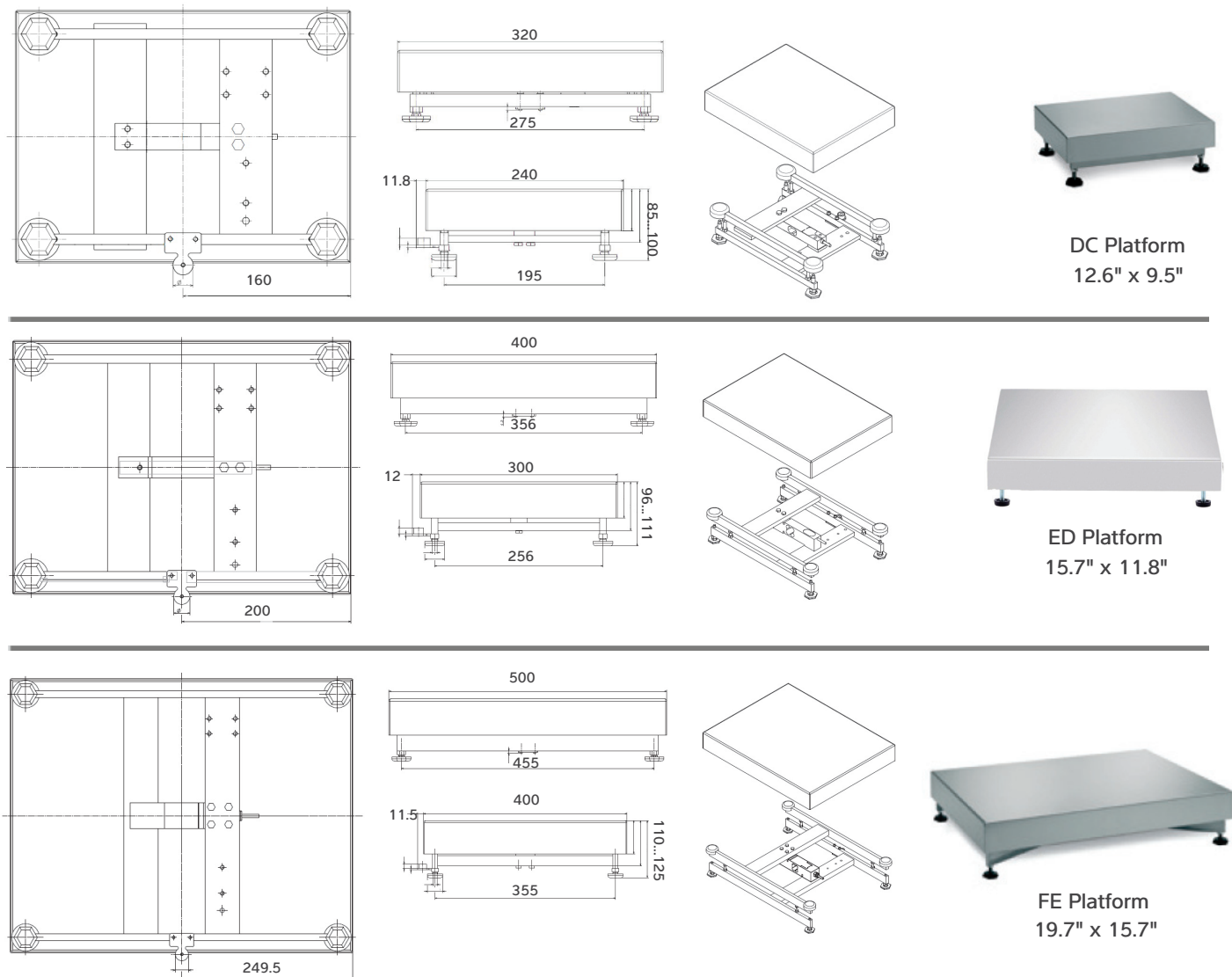
USA Model Number	Canadian Model Number	Midrics Indicator	Capacity		Readability		Repeatability ≤ g	Non-Linearity ± g	Platform Inches	Calibration Weight Kg	Shipping Weight lb.
			Kg	lb.	g	lb.					
MW1P1U-3DC-L	MW1P1U-3DC-LCA	1	3.0	6.6	0.2	0.0005	0.4	0.4	12.6 x 9.5	3.0	18
MW1P1U-6DC-L	MW1P1U-6DC-LCA	1	6.0	13.2	0.5	0.001	0.8	0.8	12.6 x 9.5	6.0	18
MW1P1U-15DC-L	MW1P1U-15DC-LCA	1	15	33	1.0	0.002	1.5	2.0	12.6 x 9.5	15	18
MW1P1U-30ED-L	MW1P1U-30ED-LCA	1	30	66	2.0	0.005	3.0	4.0	15.7 x 11.8	30	26
MW1P1U-30FE-L	MW1P1U-30FE-LCA	1	30	66	2.0	0.005	3.0	4.0	19.7 x 15.7	30	41
MW1P1U-60ED-L	MW1P1U-60ED-LCA	1	60	132	5.0	0.01	6.0	8.0	15.7 x 11.8	50	26
MW1P1U-60FE-L	MW1P1U-60FE-LCA	1	60	132	5.0	0.01	6.0	8.0	19.7 x 15.7	50	41
MW1P1U-150FE-L	MW1P1U-150FE-LCA	1	150	330	10.0	0.02	12.0	16.0	19.7 x 15.7	100	41
MW2P1U-3DC-L	MW2P1U-3DC-LCA	2	3.0	6.6	0.2	0.0005	0.4	0.4	12.6 x 9.5	3.0	18
MW2P1U-6DC-L	MW2P1U-6DC-LCA	2	6.0	13.2	0.5	0.001	0.8	0.8	12.6 x 9.5	6.0	18
MW2P1U-15DC-L	MW2P1U-15DC-LCA	2	15	33	1.0	0.002	1.5	2.0	12.6 x 9.5	15	18
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Stainless Frame / Stainless Platform / IP67

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Models with -LCA suffix are Measurement Canada approved.

Dimensional Drawings and Accessories



Stainless Steel Indicator Column Mount

Description	Part Number
For platform dimensions 320×240 mm, column height 13 inch (DC platform)	YDH01CWS
For platform dimensions 400×300 mm and 500×400 mm, column height 19 inch (ED platform)	YDH02CWS
For platform dimensions 500×400 mm, column height 29.5 inch (FE platform)	YDH03CWS
Bolting plate for platform DC, ED and FE (base-mounted display)	YDH12CWS

Stainless Steel Indicator Wall Bracket

Description	Part Number
Stainless steel plate for attaching indicator and printer to bench stand	YPP01CWS
Stainless steel wall bracket, tiltable weight indicator	YDH02CISUS
Stainless steel Floor-mounted column, stainless steel, height: 1.1m	YDH03CISUS

Midrics Indicator Accessories

Description	Part Number
Dust covers for display unit (2 items)	YDC01SW
Cable gland (PG) for cables with diameter 4.5 to 9 mm, M16 × 1.5	YAS04CIS
Kit for weight indicator control panel installation	YAS03MI