

Model 640M Indicator



NEW Compact Design...

The Model 640M is a “Miniature” general purpose indicator which provides simple, yet accurate and reliable weighing used on mixers, grain carts, livestock scales, feed bins, weigh carts and many more applications.

The small, compact indicator design makes it ideal for places like truck and tractor cabs where space is limited.

Features & Benefits

- Simple Operation**— ZERO key zeros the scale, PRINT key transfers weight data to printer, computer, or transfer data module (TDM-40).
- Gross/Tare/Net**— G/N key allows viewing of either gross or net weights. TARE key is useful for temporary “zeroing” of the scale.
- Compact Design**— The compact design makes it ideal for places like truck and tractor cabs where space is limited (size: 5.5”H x 7.25”W x 3.25” D).
- Readable Display**— Large 1.1 inch, 6 digit -14 segment alpha-numeric LCD display, with bright backlighting for low light applications.
- Rugged Construction**— Seamless polycarbonate enclosure with sealed back panel protect indicator from vibration, impact, moisture and dust.
- HOLD**— Holds weight constant when moving mobile equipment (i.e grain carts, mixers, weigh carts, etc.).
- Auto-LOC**— “LOCK On and Hold” livestock weights on the display for easy viewing.
- Motion Filtering**— Enhanced dual “harmonizer” filtering settles down weight display for easy viewing. Ideal for filtering excess motion on mixers and livestock applications.

- Memory Accumulators**— 100 six-character alpha-numeric accumulator channels. Useful in identifying fields, seed type, livestock groups, or amounts of recipes batched and or fed.
- Accumulate**— Access memory channels with the RM key, accumulate manually (M+) or automatically with Auto-LOC.
- Reports**— Standard G/T/N printouts available, with optional RS-232 port. Additional reports list the accumulator channels and their count, average, and total accumulations.
- Front Panel Programming**— All setup and calibration can easily be performed from the keypad without having a simulator or weights.
- Automatic Shut-Down**— Low battery warning. Automatic shutdown below 9 volts and optional programmable sleep mode shutdown after inactivity of scale occurs.
- Power Recovery**— Returns to same weight display after a power failure, including the latest Tare weight.

Options

- RS-232 Port**— Bi-directional serial port with battery backed time & date. Multiple printouts available for transfer to printer/computer or Transfer Data System. Transfer data via print key, broadcast or enquire data.
- RD40/XL Port**— Allows interface to RD40 (1.1 inch) or RD40XL (2.0 inch) remote displays. RD40XL display offers optional XM64 wireless handheld transmitter for remote control of Tare & G/N keys on the 640M.
- RF Option**— Provides a complete WIRELESS control via the RD40RF, with weight display and all key functions of the 640M. Ideal use for front end loaders, or feed rooms allowing user remote control.
- Printers**— Tape and Ticket printers available.
- TDM-40**— Transfer Data Module with TDS-40 computer Transfer Data Software.
- Remote Displays**— RD40 (1.1 inch) RD40XL (2.0 inch) RD40RF (1.1 inch wireless) and large scoreboard displays for permanent installations.
- Connectors**— Available with choice of scale connectors, including most major scale brands. Also available with two 5 pin connectors for Alley Weigh and Chute Weigh.
- Mounting**— Standard or RAM® mount.

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Specifications

Power	10 - 17 VDC 12 VDC @ 55mA - four w/b, no backlight 12 VDC @ 270 mA - four w/b, backlight Optional: 115 VAC/12 VDC converter	A/D Conversion Rate	60 times/second
Enclosure	Water and dust resistant, structural polycarbonate 5.5" H x 7.25" W x 3.9" D	Zero Tracking	Off, 0.5, 1, 2, 3, 5, and 10 divisions
Display	6 digit LCD, 14 segment 1.1" (28 mm) green-yellow backlight, ten adjustable brightness levels	Time and Date	Battery backed up real time clock
Display Rate	Selectable 1, 2, or 5 times/second	RS-232 port	Optional bidirectional RS-232 port AMP 8 pin circular connector Response to ASCII character inputs Baud rates (1200 – 115200) Xon/Xoff; Parity selectable, 7/8 data bits
Unit of Measure	lb or kg	RD40/XL Port	Proprietary RD40/XL protocol, required to interface to RD40 or RD40XL (9 pin AMP circular connector)
Excitation	5 volts, drives ten 350 – ohm weigh bars	RF Port	802.11B 2.4 GHz WIPORT (required to interface to the wireless RD40RF)
Analog Range	+/- 8 mV/V	TTL Inputs	Use of XM64 transmitter, programmable inputs from RD40XL only (RM, M+,TARE, G/N, HOLD, PRINT or ZERO/CLEAR)
Annunciators	lb, kg, auto, motion, gross and net	Environment	-20° to 140° F -20° to 60° C
Operational Keys	ON/OFF, RM, M+, TARE, G/N, HOLD/ MENU, PRINT/SELECT, ZERO/CLEAR (audible key feedback)	Weight	2.6 lb / 1.2 kg 4.0 lb / 1.8 kg shipping weight
Capacity Range	999,999 lb/kg decimal down to 2 places	Agencies	FCC Class A CE marked
Increment Sizes	Multiples and sub-multiples of 1, 2, and 5 (.01 up to 500)	Warranty	Three years
Internal Resolution	64,424,509 counts per mV/V per second		



RD40XL



RD40RF



RD40



TDS-40 Transfer Data Kit



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