

# Model 640/640XL Indicator



Model 640  
(1.1" display)



Model 640XL  
(2.0" display)

The Model 640/XL is a 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.

## 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.
- Readable Display**— 6 digit -14 segment, alpha-numeric LCD display, with bright backlighting for low light applications. (1.1") 640 or (2.0") 640XL.
- 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.
- Direct Connect**— Weigh Bars can be connected directly to the indicator, saves on cost of a junction box, and increases reliability.
- 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 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 640XL.
- RF Option**— Provides a complete WIRELESS control via the RD40RF, with weight display and all key functions of the 640/XL. 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.
- Junction Box**— Weigh Bar junction boxes.

# Model 640/640XL Indicator

## Specifications

<b>Power</b>	10 - 17 VDC 12 VDC @ 55mA - four w/b, no backlight 12 VDC @ 270 mA - four w/b, backlight <b>Optional:</b> 115 VAC/12 VDC converter	<b>A/D Conversion Rate</b>	60 times/second
<b>Enclosure</b>	Water and dust resistant, structural polycarbonate 8.7" H x 10.5" W x 6.0" D	<b>Zero Tracking</b>	Off, 0.5, 1, 2, 3, 5, and 10 divisions
<b>Display</b>	6 digit, 14 segment LCD display green-yellow backlight, ten adjustable brightness levels Model 640           1.1" (28 mm) Model 640XL       2.0" (50.8 mm)	<b>Time and Date</b>	Battery backed up real time clock
<b>Display Rate</b>	Selectable 1, 2, or 5 times/second	<b>RS-232 port</b>	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
<b>Unit of Measure</b>	lb or kg	<b>RD40/XL Port</b>	Proprietary RD40/XL protocol, required to interface to RD40/XL
<b>Excitation</b>	5 volts, drives ten 350 – ohm weigh bars	<b>RF Port</b>	802.11B 2.4 GHz WIPORT (required to interface to the wireless RD40RF)
<b>Analog Range</b>	+/- 8 mV/V	<b>TTL Inputs</b>	XM64 transmitter, programmable inputs option on 640 or from RD40XL (RM, M+,TARE,G/N, HOLD, PRINT or ZERO/CLEAR)
<b>Annunciators</b>	lb, kg, auto, motion, gross and net	<b>Environment</b>	-20° to 140° F -20° to 60° C
<b>Operational Keys</b>	ON/OFF, RM, M+, TARE, G/N, HOLD/ MENU, PRINT/SELECT, ZERO/CLEAR (audible key feedback)	<b>Weight</b>	5.2 lb / 2.4 kg 7.2 lb / 3.3 kg shipping weight
<b>Capacity Range</b>	999,999 lb/kg decimal down to 2 places	<b>Agencies</b>	FCC Class A CE marked
<b>Increment Sizes</b>	Multiples and sub-multiples of 1, 2, and 5 (.01 up to 500)	<b>Warranty</b>	Three years
<b>Internal Resolution</b>	64,424,509 counts per mV/V per second		



RD40XL



RD40RF



RD40



TDS-40 Transfer Data Kit



**Avery Weigh-Tronix, LLC**  
1000 Armstrong Dr.  
Fairmont, MN 56031 USA  
Telephone: 507-238-4461  
Facsimile: 507-238-8283  
e-mail: [ag@weigh-tronix.com](mailto:ag@weigh-tronix.com)  
[www.agscales.com](http://www.agscales.com)

