

Model 1040 / 1040XL Indicator



Model 1040
(1.1" display)



Model 1040XL
(2" display)

The Models 1040 and 1040XL are full-featured indicators that simplify batching and help manage feed costs.

Features & Benefits

Large Display— easy-to-read, regardless of mounting location or lighting conditions.

Automatic Ration Adjustment— ensures proper ration balance and eliminates guesswork after first ingredient is loaded. (*on/off selectable*)

Alpha-Numeric Keypad & Display— allows user to spell out names or assign numbers for ingredients, rations, and pens.

Internal Memory— stores ingredients (100), recipes (100), pens (100) and completed batch records (last 100).

Flexible Programming— gives choice of entering recipes by percentage, amount per ingredient, or amount per animal.

Accumulators— provides usage history of individual ingredients, recipes, and pens for inventory management.

Time of Day Recording— records all ingredient and pen transactions to evaluate operator performance.

Six Digit ID— identifies truck or operator.

Audible/Visual Feedback— keypad and display provides feedback to reduce errors and confirm operator accuracy when entering or editing data.

External Alarm Connector— allows use of external audible alarm or light when target weight is reached.

Extra-Bright LED— large, front-panel alarm light indicates when loading/unloading target weight is reached.

Automatic Mix— engages after last ingredient to ensure consistent blending of every batch with programmable count-down timer with optional speed sensor input.

Advanced Digital Filtering— minimizes the effects of vibration/motion on the scale.

Hold Key— provides stable weight readings when moving mixer between loading/unloading locations.

Multiple I/O Ports— connects external devices such as remote displays, printers, revolution counter, memory module, and PC.

Self-Diagnostics— displays messages, simplifies troubleshooting.

Automatic Shut-Off— activates if voltage falls or rises beyond limits or user-programmed sleep timer expires.

Weatherproof Design— stands up to harsh environments for years of accurate, reliable service.

History— provides mixer history: total number of batches, tons, hours and number of times mixer was overloaded.

Options

RD64/RD64XL Remote Displays— extra-large 2.0" LCD display (RD64XL) or 1.1" (RD64) is easy-to-read with fiber-optic backlight, day or night.

XM64 Transmitter/Receiver— allows wireless remote control of tare, gross/net, or ingredient advance when away from the indicator. Available with 1040/1040XL indicator or RD64/RD64XL remote display.

RD64M Remote Display— compact unit ideal for mirror mounting or other limited space.

RD40-RF Remote Display— wireless unit communicates via RF to allow placement inside loader cab for ultimate viewing convenience.

RF Transfer— allows wireless interface to RD40-RF remote display or wireless transfer of RS-232 port.

Speed Sensor Input— monitors mixer speed and automatically adjusts mix time.

Transfer Data System— consists of a memory module (TDM-40) and PC software package (TDS-1040) for simple means of uploading/downloading information between PC and indicator. Changes to recipe/pen requirements are easily transferred to indicator and completed batch records/pen feedings are easily transferred to PC.

Model 1040 / 1040XL Indicator

Specifications

Power Requirements: 10 - 18 volts DC, negative ground
400mA @ (8) 350-ohm
weight sensor load

Excitation: 10 VDC (\pm 5 VDC)
Drive up to ten 350-ohm
weight sensors

Display: 6-digit, 14-segment LCD
(alpha-numeric), fiber-optic
backlight

Display Height: Model 1040 — 1.1”
Model 1040XL — 2.0”

Display Rate: 1, 2, or 5 times/second

Units of Measure: lb or kg

Annunciators: Alarm, Auto, Gross, Hand-Add,
Ingredient, kg, lb, Load, Motion,
Pen, Recipe, Usage

Operational Keys: 0-9 (alpha), RECIPE, GROSS, PEN,
LOAD/UNLOAD, HOLD, TIMER,
MENU, SELECT, PRINT, USAGE, ID,
ZERO/CLEAR, ON, OFF
(audible key acknowledgment)

Capacity Range: Up to 200,000 lb/kg

Increment Sizes: .01, .02, .05, .1, .2, .5, 1, 2, 5, 10,
20, 50, 100, 200 lb/kg

Internal Resolution: Up to 4,200,000 counts

A/D Conversion Rate: 60 times/second

Zero Tracking: Off, .5, 1, 2, 3, 5, 10 divisions

Time and Date: Battery protected real-time
clock

Communications: Two RS-232 bi-directional serial
ports w/ selectable output
formats – Standard, Broadcast,
Transfer Data Module (TDM)

TTL Inputs: Two programmable inputs
(Std, Zero Clear, Menu, Hold,
Print)

Self Diagnostics: Display, keypad, I/O ports,
voltage, relay, software

Enclosure: Structural polycarbonate,
IP65 rating (dust/water/impact
resistant)
8.7” H x 10.5” W x 6.0” D
(221 mm H x 267 mm W x 152 mm D)

Environment: -40° to 140° F (-40° to 60° C) to
95% non-condensing humidity

Weight: 5.5 lb / 2.5 kg
7.4 lb / 3.4 kg shipping weight

Agencies: FCC Class A,
CE (European Approval)

Warranty: Three Year

TDS-1040
Transfer Data Kit



RD40-RF
Remote Display



RD64M
Remote Display



RD64XL
Remote Display



Avery Weigh-Tronix
1000 Armstrong Dr.
Fairmont, MN 56031 USA
Telephone: 507-238-4461
Facsimile: 507-238-8283
e-mail: ag@awtxglobal.com
www.agscales.com

