Model 1040

Model 1040XL

Model 1040/1040XL
Batching Indicators

TECHNICAL SPECIFICATION

Eliminate feed sheets
Simplify batching
Assist in managing feed costs

Manage a TMR feeding program from start to finish. The Model 1040XL is a powerful batching indicator designed for today's modern dairy, cow/calf or stocker/feedlot operation.

FEATURES & BENEFITS

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

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.

Door Open Input – Connect to door sensor to identify when feed mixer door is open

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.

Feed Management Software – interfaces to several industry standard feed management software packages.

SPECIFICATIONS

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

Excitation: 10 VDC (± 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)

Accuracy: ± 0.1% of applied load or ± one division

Environment: -20° to 140° F (-29° 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

ACCESSORIES

RD40-RF Remote Display

RD64XL Remote Display

RD64M Remote Display

TDS-1040 Transfer Data Kit

Avery Weigh-Tronix

Scales for Agribusiness

ISO 9001
Registered Company