

Model 2040 /2040XL Indicator



Model 2040
(1.1" display)



Model 2040XL
(2" display)

Manage a TMR feeding program from start to finish.

The Model 2040XL is a powerful batching indicator designed for today's modern dairy operation. Add the convenience of wireless RF communication between the 2040 and Feed Supervisor[®] software package for maximum efficiency and control of

- ◆ Inventory
- ◆ Operator performance
- ◆ Data analysis
- ◆ Report generation
- ◆ Ration formulation
- ◆ Pen feedings
- ◆ Dry matter intakes
- ◆ Clean-up evaluation

Features & Benefits

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

Automatic Ration Adjustment— ensures proper ration balance and eliminates guesswork.

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

Internal Memory— stores several days of batch data before downloading to the computer.

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

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

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

Six Digit ID— identifies mixer and operator identification.

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 PC, remote displays, printers, speed sensor, and memory module.

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.

Clean-Up— ability to record and monitor clean up.

Feeding Flexibility— operator can change head counts, number of feedings per day, feeding sequence, and target amounts at the indicator.

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 Feed Supervisor software package 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.

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Specifications

Power Requirements:	10 - 18 volts DC, negative ground 400mA @ (8) 350-ohm weight sensor load	A/D Conversion Rate:	60 times/second
Excitation:	10 VDC (\pm 5 VDC) Drive up to ten 350-ohm weight sensors	Zero Tracking:	Off, .5, 1, 2, 3, 5, 10 divisions
Display:	6-digit, 14-segment LCD (alpha-numeric), fiber-optic backlight	Time and Date:	Battery protected real-time clock
Display Height:	Model 2040 — 1.1" Model 2040XL — 2.0"	Communications:	Two RS-232 bi-directional serial ports w/ selectable output formats – Standard, Broadcast, Transfer Data Module (TDM)
Display Rate:	1, 2, or 5 times/second	TTL Inputs:	Two programmable inputs (Std, Zero Clear, Menu, Hold, Print)
Units of Measure:	lb or kg	Self Diagnostics:	Display, keypad, I/O ports, voltage, relay, software
Annunciators:	Alarm, Auto, Gross, Hand-Add, Ingredient, kg, lb, Load, Clean Up, Pen, Recipe, Usage	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)
Operational Keys:	0-9 (alpha), RECIPE, GROSS, PEN, LOAD/UNLOAD, HOLD, TIMER, CLEAN UP, MENU, SELECT, PRINT, USAGE, ID, ZERO/CLEAR, ON, OFF (audible key acknowledgment)	Environment:	-40° to 140° F (-40° to 60° C) to 95% non-condensing humidity
Capacity Range:	Up to 200,000 lb/kg	Weight:	5.5 lb / 2.5 kg 7.4 lb / 3.4 kg shipping weight
Increment Sizes:	.01, .02, .05, .1, .2, .5, 1, 2, 5, 10, 20, 50, 100, 200 lb/kg	Agencies:	FCC Class A, CE (European Approval)
Internal Resolution:	Up to 4,200,000 counts	Warranty:	Three Year

Feed Supervisor,
Transfer Data Kit



RD40-RF Remote Display



RD64M Remote Display



RD64XL Remote Display



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