BatchSize?

Reports?

Rect Name?

Inventory?

Automatic?

OIW   9.82

Order Done

METTLER TOLEDO

Recipe ID?

START/
CONTINUE   SELECT   STOP

LYNXBATCH®
Controller

METTLER TOLEDO

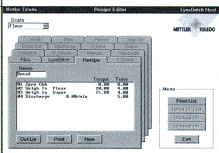# Take Command of Your Production Quality and Costs

The LYNXBATCH controller excels in accurate, flexible, and reliable control of material delivery by weight. It offers standard capabilities generally unavailable or unaffordable in custom designed and programmed systems. It gives you the control you need to take command of your production quality and costs.

Effortless Control

- Push button recipe selection by name
- Quick and easy recipe maintenance
- Enable only the features you need
- Simple installation

The LYNXBATCH controller makes control of batching and filling processes almost effortless. Just push one button to select a recipe by name, another to start. Installation is just as easy. Operator prompts are human-readable and customizable, making recipe edits, data input, and reporting easy and precise.

You can enable or disable features, like batch size adjustments or material target corrections, to make the LYNXBATCH controller as simple or as capable as needed. Its flexible design also allows you to enhance its capabilities as your application needs expand.

Select and run a recipe using just two push buttons – standard on the self-contained, harsh environment LYNXBATCH controller.

Flexible Control

- Adapts to most filling and batching applications
- Automatic, semi-automatic, and manual modes
- Interacts with other systems and equipment
- Provides flexibility in data input and output

Like the animal which influenced its name, the LYNXBATCH controller is agile. It is configurable and extensible, allowing it to adapt to most filling and batching applications.

Run it fully automated or in semi-automatic mode to single step through a prototype recipe for careful validation. Manual mode gives operators push button control of material feeders and outputs. Fully configurable discrete I/O, recipe action codes, and a robust serial host interface also allow the LYNXBATCH controller to easily interact with other systems.

The LYNXBATCH controller's DATAVAULT software edits and stores recipe and material files, and communicates with up to 8 LYNXBATCH controllers.

Durable Control

- Maximizes uptime with reliable performance
- Designed for tough, real-world industrial environments
- Minimizes maintenance, calibration, and diagnostics
- Meets global electrical safety and legal metrology standards

The LYNXBATCH controller is designed to withstand the tough use that production schedules demand and operators dish out. The NEMA4x/IP65 stainless steel enclosure is ideal for the wash down, corrosion protection, and sanitation requirements of food, chemical, and pharmaceutical production environments. The controller's health is constantly monitored, and utilities help with maintenance efforts. Plus, you can confidently use the LYNXBATCH controller anywhere you do business because it meets the legal metrology and safety standards of most world markets.

Six reports are standard; templates allow customization.

```
            RECIPE DETAIL REPORT

TIME  16:45:07    DATE  Apr-04-2000

----------- RECIPE I.D.  01 -----------
            NAME: PROD 1MR33
BATCHES MADE:         2
TOTAL WEIGHT:      202.5

LN  ACTION   NAME      SETPOINT    TOLR
01  Print    Print On
02  Z_Check                0.0      0.5
03  Wgh_In   SAND       125.0      3.0
04  Wgh_In   CLAY        65.0      2.6
05  Output   #3  ON for 30 sec
06  Write    MIXING 30S- for 30 sec
07  Output   #3 OFF
08  H_Add    STABILIZER 120.0
09  Disch                          5.0
10  Print    Summary


BATCH SUMMARY REPORT

TIME  16:46:42    DATE  Apr-04-2000

   RECIPE: 1       NAME: PROD 1MR33
   BATCH No: 3     SIZE: 310.0

MATERIAL     TARGET    ACTUAL TOLR
SAND          125.0     125.1
CLAY           65.0      65.0
STABILIZER    120.0     119.9

BATCH WEIGHT DEVIATION: +0.0%

TOTAL BATCH WEIGHT:    310.0 lb
```
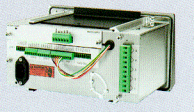
Powerful Control

- Memory for 1000 recipe lines and 50 materials
- Restores recipe execution after power failures
- TraxDSP filtering improves material cutoff accuracy
- Password protection secures data assets

With the LYNXBATCH controller, you can pre-program recipes that select from as many as 50 materials (up to 8 automatic feeders). If power fails while executing a recipe, the LynxBatch controller can resume where it left off. It also features METTLER TOLEDO's exclusive TraxDSP signal processing for 100% digital filtering of vibration and noise - even as you mix or agitate on the scale. For more control, use password protection to limit data access to authorized personnel.

The panel mount LYNXBATCH controller mounts through a simple rectangular cutout.

All external wiring connections are to removable, clamp-type terminals.

Container Filling Automation
Whether filing bags, drums, cartons or totes, the LYNXBATCH controller delivers precise cutoff control that learns as it goes to ensure accurate net weights while reducing product giveaway. Check the empty weight of the container, automate material delivery, verify in tolerance weights, and print a label. All the operator does is press START.

Multi-Material Batching Control
The LYNXBATCH controller uses your product name to store and recall up to 99 recipes. Recipes have infinite flexibility by using 14 action codes in the exact order needed to meet specifications. Discrete inputs and outputs allow the controller to interact with other equipment, according to how you write the recipe. Automatic recipe execution improves accuracy and productivity, reduces errors, and records results.

Manual Materials Formulation Management
The LYNXBATCH controller can eliminate many of the variables that allow errors to creep into your quality program. It dependably leads operators through recipes, including up to 50 different materials, checks the tolerance of each, and records as-produced batch data. It can even validate the material bar code or instruct the operator to take additional process steps.

Take Control with the Best Value in Batching and Filling Automation.

Recipe Action Codes

Command	Description
Zero Check	Do a zero or an empty container check
Weigh-In	Automatically weigh in a net amount of material and check tolerance
Weigh-Learn	Learn material parameters each time during weigh in
Discharge	Discharge the scale
Manual Weigh	Manually weigh in a net amount of material and check tolerance
Hand Add	Prompt the operator for a hand-added, pre-proportioned material
Manual Operation	Allow operator manual control of a feeder or output
Print	Print a selected report or turn audit trail printing on and off
Output	Turn a specified output on or off or on for a number of seconds
If-Input	Test an input's state and hold or branch accordingly
Dose-Out	Weigh out one or more doses of material and check tolerance
Prompt	Prompt the operator for keypad or scanned data input
Write	Write a programmed message or scale data to the display
Batch Check	Check tolerance on or top-off total batch weight

Combine and Order Action Codes for Complete Recipe Control

Features / Benefits

Features	Benefits
Learn Mode	Avoids time-consuming guesswork by automatically setting material dribble and preact parameters
Automatic Preact Adjustments	Improves batching accuracy by making automatic adjustments to the material cutoff point according to experience
Automatic Material Jogging	Eliminates under-tolerance materials by adding small amounts of additional material until it is within tolerance requirements
Batch Size Adjustments	Allows standard recipes to be scaled up or down at run time to match current production requirements
Target Corrections	Permits operator to react to changing formulations by adjusting individual material target weights
Audit Trail Printing	Prints a record of results as the batch progresses
Slow/Fast/Slow Feeder Speed Control	Reduces splash, dust, or damage to fragile materials on initial delivery into an empty scale tank, hopper, or container
Quick Recipe Selection	Simplifies operator keystrokes for long production runs of a single recipe
Number of Batches Programming	Keeps count of the number of batches until a preset number is reached to control production
Customized Operator Prompts	Prompts the operator for keypad entered or scanned production data to enrich batch reports