

DT-9 Feeder Controller

- Interactive, color, touch-screen display of feeder operation and status
- Flexible design allows for configurable inputs/outputs
- EasyServe PC interface for configuration back-up and restore
- Simple access to information from control room
- Integrated clean-out chain control



The DT-9 Feeder Controller is the new standard in weigh feeding control. The interactive graphic touch-screen display provides the operator with detailed information about feeder performance such as feeder efficiency and accurate calibration. The display shows a graphical representation of the feeder in operation and details pertaining to the feedrate, setpoint, belt speed, belt load and the total weight of the material.

Alerts appear on screen at the occurrence of important events such as pluggages or when maintenance is required. Service dates are scheduled into the system to display an alert when regular maintenance is required. Trend graphs are also supported on the control, allowing the user to observe detailed operational information over time.

The DT-9 supports many of the modern communications systems that power plants have adopted. By using systems such as Modbus, Ethernet, Profibus or DeviceNet, plants can put their equipment on a network and avoid costly, individual wire runs. This allows for more information to be available directly to the control room or remote diagnostics.

The new design is also more flexible, allowing the inputs and outputs to be more configurable without making changes to existing cabinets. This allows individual plants to customize their feeder control scheme and integrate the feeder with auxiliary equipment and sensors.

Incorporated EasyServe software allows plant personnel to use their laptops to configure, troubleshoot, back-up and restore feeder configurations.

Variety of display and configuration units are available:

- Configurable error and warning reporting
- Hourly/daily feedrate totals
- Settings and I/O for calibration probes, calibration weights and belt travel
- Automatic switch to volumetric feed upon load cell failure
- Raise/lower feedrate inputs
- Three totalizer outputs
- Pre-feeder start output
- Release output for integration of auxiliary equipment

DT-9 Feeder Controller Features

- Large, color, graphic touch screen display
- Powerful 32 bit ARM-9 processor
- Maximum/minimum feedrate limit setting
- Modbus, Profibus, Ethernet support
- Scheduled maintenance reminder
- Belt slip detection algorithm
- Moisture compensation input
- Remote/local mode
- Forward/reverse, jog/run
- Internal PID control settings
- Belt motion monitor input
- Discharge pluggage sensor
- Coal on belt switch input
- Coal flow monitor input
- Feedrate analog input/outputs
- Multiple language support
- Integrated clean-out chain control

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