UMC

612

digital weight indicator

Genuine Quality, Proven Performance.

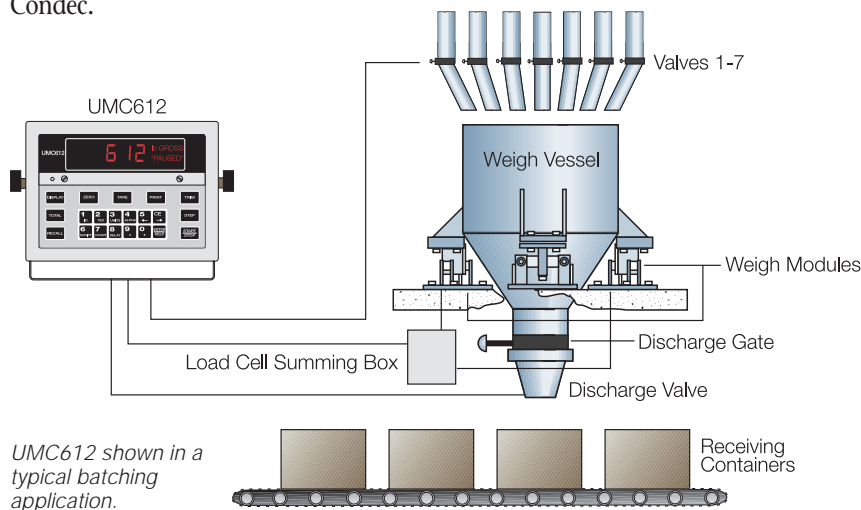## Ultimate control at your fingertips.

Field proven as one of the most reliable digital weight indicators available, the UMC612 offers sophisticated capabilities that simplify the operator's role in the weighing process. Whether it's automatic batching, draft weighing, checkweighing or setpoint control, this advanced indicator provides efficiency and accuracy to increase your operation's productivity.

Characterized by its ability to control complicated batching routines, the UMC612's advanced features include 10-ingredient accumulation, as well as eight setpoint outputs and four process inputs. It easily integrates into a variety of process control applications with 16-bit analog output and dual serial ports, and can be configured for custom applications.

Operators prefer the UMC612 for its easy-to-use features such as multi-line display with user prompts. Operator accuracy is further enhanced by automatic gain adjustment and automatic dead load compensation. Instead of just one calibration point, 10-point linearization allows you to optimize calibration points between minimum and maximum capacity loads for greater consistency. Establishing a new level of performance, the UMC612 provides remarkably high resolution with the capability of up to 100,000 display graduations. What's more, it features a NEMA 4X stainless steel enclosure and full EMI/RFI shielding for ultimate protection from demanding environments.

Built with integrity, the UMC612 is derived from a tradition that combines diehard performance with cutting edge technology. It's not just another indicator—it's a Condec.

UMC612

Valves 1-7

Weigh Vessel

Weigh Modules

Load Cell Summing Box

Discharge Gate

Discharge Valve

Receiving Containers

UMC612 shown in a typical batching application.

Standard Features

- *Bipolar resolution up to 1,000,000 counts*
- *Dual serial ports*
- *Time and date*
- *Multi-line display, six digits for weight and 16 alphanumeric for process status information*
- *Digital and selective 2Hz analog filtering*
- *Rate-by-weight and peak hold*
- *Eight setpoint outputs and four process inputs*
- *Key-code entry protection*
- *Programmable batch sequence and print format*
- *Full serial control with 20mA, RS-232, RS-422 or RS-485*
- *Available with tilt stand, panel mount brackets or flange mount assembly*
- *Standard output, two solid state relays or analog 0-10 VDC; 4-20 mA output*

Options

- *Relay board with 4 solid state relays and analog output*
- *RS485 4-wire*

Specifications

LOAD CELL EXCITATION:
10 VDC

LOAD CELL CURRENT:
240 mA maximum (8 350-ohm load cells)

ANALOG SIGNAL INPUT RANGE:
0.5 mV/V – 3.4 mV/V

CONVERSIONS PER SECOND:
7.5, 10, 20, 30, 40, 60, or 100

RESOLUTION:
100,000 display graduations (maximum)

WEIGHT DISPLAY:
6-digit (7-segment), 0.55" (14mm), red Light Emitting Diode (LED) Display

POWER INPUT:
115, 230, or 240 VAC, 50/60 Hz

OPERATING TEMPERATURE:
4˚F to 122˚F (-20˚C to 50˚C)

RATING/MATERIAL:
NEMA 4X stainless steel

APPROVALS:
NTEP certified

WARRANTY:
Two-year limited

Your authorized distributor is: