TECWEIGH
Tecnetics Industries, Inc.

PROCESSORS

Check out our exciting lineup of simple yet precise microprocessor-based controllers.

Four options to let you choose the controller that best suits your application.

Tecweigh's® family of weight processors have always been known for their easy operation, easy to read displays and exclusive five year warranty. That will never change.

Thanks to our innovative technology, Tecweigh's processors will now also be known for their flexibility with the offering of a new Multi-Scale Processor (MS20), wireless communication options and a variety of industrial networking protocols.

All of the standard features are still there; automatic calibration, full-time diagnostics, and adjustable dampening for all outputs. I/O options have been enhanced with additional relay and analog

outputs (with more functionality); and two auxiliary serial ports (RS232 and/or RS422/485) for data collect, remote displays or automation. The smooth polycarbonate faceplate resists abrasion, chemicals and humidity. Oversized displays and controls make each of these menu-driven micro processors easy to set up and operate.

Tecweigh MS20 Multi-Scale Weight Processor

- Calculates Rate and Total for up to 4 scales/weigh belt feeders
- Easy to use "copy scale parameters" function greatly reduces set up time
- Bright, easy to read LED display of the Scale Number, Rate, Total and Belt Speed
- 22 Character mode window display for easy set up and display of scale description, unit of measure or diagnostic messages
- Auto zero and auto zero tracking
- One step auto span calibration
- Programmable I/O including relays, analog outputs and digital inputs (1 each per scale)
- Auxiliary serial communication ports (2 ports, RS232/422/485)
- Remote display available simultaneously showing all four scales rate and total at a glance
- Exclusive 5 year warranty

Tecweigh WP20 Totaling Weight Processor

- Embedded microprocessor technology
- Bright, easy to read LED display of the Rate & Total
- 16 Character mode window display for easy set up and display of unit of measure, belt speed or diagnostic messages
- Zero and auto zero tracking
- One step auto span calibration
- Programmable I/O including relays, analog outputs and digital inputs (4 of each)
- Auxiliary serial communication ports (2 ports, RS232/422/485)
- Exclusive 5 year warranty

Tecweigh FC20
Rate Controller

- Maintains the flow rate of material
- Full PID loop functionality allows fine tuning for tight rate/set point accuracy.
- Bright, easy to read LED display of the Rate, Set Point, Control Position & Total
- 22 Character mode window display for easy set up and display of unit of measure, belt speed or diagnostic messages
- Includes all the calibration features and I/O of the WP20 processor
- Easy to set up auxiliary serial communication and protocol allows one WP20 or FC20 master to communicate with many FC20 slaves for blending operations.
- Exclusive 5 year warranty

Tecweigh WPLD
Load Controller

- Automatically controls load out or batch size
- Bright, easy to read LED display of the Rate, Set Point, & Total
- 16 Character mode window display for easy set up and display of unit of measure, belt speed or diagnostic messages
- Includes all the calibration features and I/O of the WP20 processor
- Exclusive 5 year warranty.

Wireless Communications and Industrial Network Protocols now available on all processors.

All Tecweigh processors can be located up to 4000 feet away from your conveyor belt scale or weigh belt feeder. Our long lasting, rugged scales are are also easily updated with a simple install processor upgrade kit. This means big savings for long time Tecweigh customers looking to increase an old scales accuracy, flexibility and longevity.

Wireless Communication

Functionality

- Communicate between scale carriage and weight processor without the time and expense of installing communication cable
- May also be used to communicate between weight processor and remote device such as remote rate/total (scoreboard) displays and plant automation systems (PLC)
- Up to $1/4$ mile range with standard antennas
- Can be used with all Tecweigh weight processors
- Use power already available on the conveyor or one of the options listed below

Wireless Options

- Conveyor Belt Driven Power Generation Systems
- Battery Back-Up Power
- Various Antennas Available For Extended Ranges

Industrial Network Protocols

Features

- Provides direct connection to an array Of popular communication buses
- Includes protocol specific bus communication module that connects directly to Tecweigh's main processor board
- Connects quickly and easily with no additional enclosures or cables required
- Can be used with all new Tecweigh weight processors or retrofitted to existing weight processors

Protocols Offered

- Profibus
- Modbus RTU
- DeviceNet
- EtherNet TCP/IP
- Allen Bradley Remote I/O

Please contact the factory protocols not listed.

TECWEIGH ®
Tecnetics Industries, Inc.

1811 Buerkle Road · Saint Paul, MN 55110
1-800-536-4880 · 651-777-4780 · FAX 651-777-5582
E-mail: sales@tecweigh.com
Web: www.tecweigh.com

In Australia contact:
Tecweigh Proprietary Ltd.
Phone +613 95480922
Web: www.tecweigh.com.au