WEIGH-TRONIX

Custom weighing, control and data acquisition all in one programmable instrument.

The instrument you'll reprogram as your needs change—but never replace.

WI-130 Indicator

Total programmability:
Every application a perfect fit.

The WI-130 Weight Indicator has established itself as one of the most valuable problem solving tools the weighing industry has to offer. Part of its success lies in its built-in versatility. Its dual communication ports let it talk to one scale or control a whole system.

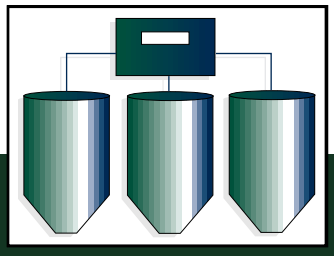
Its dot matrix display lets the user choose from over thirty standard display formats:

- One, two, three or four lines of displayed weight and text
- Bar graphs
- Operator messages
- Over and under indication
- Graphic symbols or logos

Most importantly, the WI-130 is totally programmable. If you need an automated checkweighing system, you call your Weigh-Tronix distributor who comes to your site and learns your processes. You say how it needs to work and what equipment needs to operate together as a system. Your local distributor provides the necessary programming to fit the WI-130 to your application.

Then, a year later when you change a process and you need a single indicator to monitor four different scales, or you need an automated filling system, you work with your local distributor to fit the instrument to the new process.

Speed data entry to the WI-130 Indicator. Choose the right optional keyboard for your work setting.



Dry Materials Handling

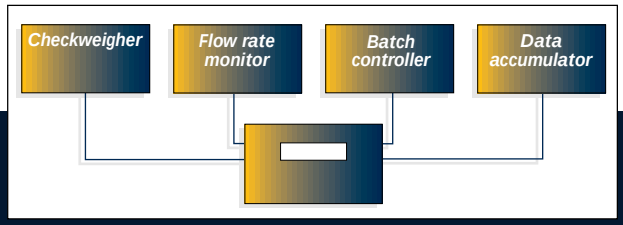
Batching

One of the early WI-130 success stories came from a company which produces concrete products and specialized sand mixes. The company requested help to create a system to control its batching processes.

Their local distributor suggested using the programmable WI-130 Indicator to improve their process control. The system they installed does three things for them.

The Indicator works as a controller, automating their batching and bagging operations. It has increased their batching output. The complete automation lets their system put out four batches a minute, all day long.

And the benefit that pays them back the fastest is the system's tighter controls over the correct ingredient ratios. They used to have a variance goal of less than 1% on ingredients. Now their variances are running close to 0.1%.



Food Processing

The best place to tell if equipment is doing the job is to talk to the people in the Maintenance Department. *One maintenance manager in a food processing plant told us, "Your indicators have been a real godsend. Every time we need to replace an indicator, we get another WI-130. Soon we'll have just one model of indicator plant-wide."*

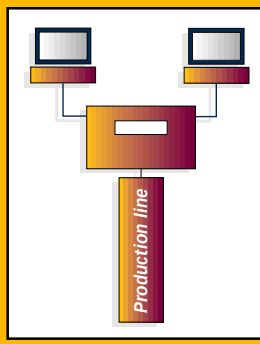
The benefits are pretty obvious. *A standard indicator that fits any application in the plant means that operators and maintenance people have only one instrument to be familiar with. It means a huge reduction in spare parts stock.*

The WI-130 is reprogrammable in minutes. *It's just a matter of a simple serial communication to its flash memory. So the WI-130 that has been operating as a checkweigher can change software and monitor flow rates in a sauce room or function as a batch controller or automate a filling system or gather data for download to SPC or Quality Assurance functions.*

Imagine what it will do for you.

Manufacturing

Manufacturers are just beginning to tap the value of the versatile WI-130 as a problem solving tool. *One company requested its Weigh-Tronix distributor's assistance on a system that would yield accurate counts on finished goods. Their new system gave them the counts they needed. In addition, it gave them readily available production data, effective quality and process control resulting in a more than $1,000,000 savings in the first year.*



The application uses a high resolution bench scale with a WI-130 Indicator at the end of each production line. The WI-130 displays a bar graph which lets operators know how close they are to the correct case count. The system shuts down automatically if a final count is incorrect.

The counting software also requires operators to re-sample the items regularly to assure that individual weights are within specification. If operators skip the sampling routine, the system shuts down.

In addition, the WI-130 Indicators send information to two computers. One computer generates reports of operator and line productivity. The second computer, in the Quality Assurance Dept., does statistical analysis of the sample weights and alerts operators when they need to adjust manufacturing processes.

Transportation

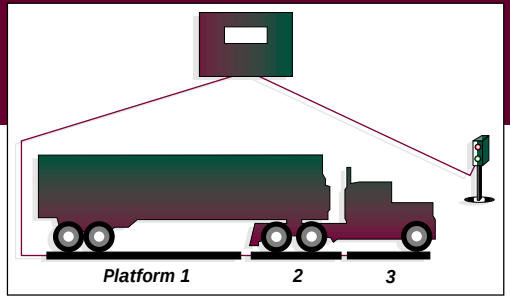
The transportation industry is rapidly discovering the value of the totally programmable WI-130 Indicator. *The ability to get accurate axle and gross weights on every load can save both money and lost time, guaranteeing that cargo is loaded safely and legally.*

One of our distributors was asked to design an axle weighing system for a shipping operation with a serious bottle neck. Their existing single axle weighing system had to handle as many as 300 trucks in a twenty-four hour period.

Because of the volume of traffic, the distributor specified multi-platform scale system which produces all three axle weights in one weighment.

The system operates entirely unattended. *A green traffic light brings the truck onto the scale. The WI-130 displays all three axle weights plus a gross weight. It sends the weight data to a printer. The light turns green and drivers pick up weight tickets as they leave.*

The customer reports that in busy periods of the day they can process one truck every 20 seconds. They estimate that their savings in time and labor paid for the system in three months.



WI-130 Specifications

Power input:
115 Volts AC, 500 mA 50/60 Hz single phase
230 Volts AC, 250 mA, 50/60 Hz single phase
Optional 10-32 volts DC and AC noted above

Excitation:
10 Volts DC or 10 volts AC square wave capable of driving up to twenty 350-ohm weight sensors. WI-130 Indicator is also capable of driving Quartzell™ transducers.

Operational keys:
Zero, Tare, Print, Units, Select, Enter, Escape, Clear, 0-9, Decimal Point and Five Soft Keys labeled per selected operational routine. All keys provide users with tactile and audio acknowledgment when they are activated.

Operational annunciators:
Displayed symbols indicate motion, center of zero, unit of measure and more.

Display:
1" H x 4.3" W vacuum fluorescent dot graphic display (32 x 128 dot layout)

Display rate:
Selectable, 0.1 to maximum readable updates

Analog to digital conversion rate:
60 times per second

Unit of measure:
Pounds, kilograms, grams, ounces, pounds and ounces and two selectable custom units

Capacity selections:
Up to 10,000,000 selectable

Incremental selections:
Multiples and sub multiples of 1, 2, 5

Decimal locations:
88888888 - Pick any location relative to division size

Displayed resolution:
Up to 1 part in 10,000,000

Audio output:
Audio tone for key contact assurance or operational alarms

Time and date:
Battery protected real time clock is standard

Internal resolution:
1,000,000 counts analog, Quartzell transducer higher

Harmonizer™ digital filtering:
Fully programmable to ignore noise and vibration

Standard input and outputs:
Four communications choices:
Com 1: RS232, RS-485/422
Com 2: RS232, 20 mA current loop (One bi-directional signal per port)
Two set point I/O ports via OPTO 22 I/O modules

Available options:
- Multi scale inputs
- DC operation at 10 to 32 VDC, 3.5 Amp
- OPTO 22 I/O Modules
- Remote Expanded Control Interface for 8, 16, 24, or 32 OPTO 22 I/O Modules
- Alpha-numeric, PC-style keyboard
- Quartzell transducer interface
- Analog interface
- Expanded memory

Operating temperature:
-40° to 140°F (-40° to 60°C)

Enclosure:
Stainless steel washdown enclosure, NEMA 4X

Dimensions:
12 3/8" H x 10 3/4" W x 5 1/4" D
(31.43 cm x 27.31 cm x 13.34 cm)

Weight:
17.5 lb, 7.8 kg

Agencies:
NTEP Class III/IIIL:10,000d Conformance No. 95-008
Canada Consumer Affairs AM-5054
UL
FCC Class A

Warranty:
2 year

WEIGH-TRONIX

Weigh-Tronix, Inc.
1000 Armstrong Drive
Fairmont, MN-56031 USA
Telephone: 1-507/238-4461
Fax: 1-507/238-4195
Email: industrial@weigh-tronix.com
www.weigh-tronix.com

Weigh-Tronix is an ISO 9001 Registered Company

6/98 WI130NEW.P65 Printed in USA PN 09579-0010B