

Thurman Scale Intalogix® Technology

superior diagnostic capabilities for enhanced weighing precision

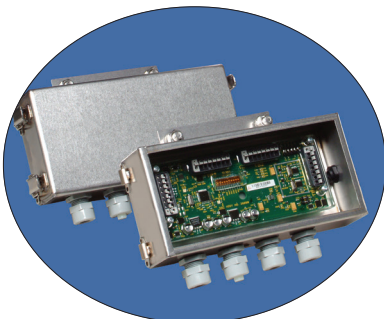
Thurman Scale offers Intalogix compatible instrumentation to meet all your weighing needs.



TS-611 Instrument



Falcon Field Pour Truck Scale



Smart Sectional Controllers

Thurman Scale offers Intalogix Technology, a state-of-the-art load cell technology that enables weighing equipment to achieve the highest levels of accuracy, reliability and dependability available in today's weighing equipment market.

How does Intalogix Technology work? This one-of-a-kind technology enhances the analog output of any load cell by converting it to a digital signal. Since Intalogix is designed to work with virtually any analog load cell, you won't have to buy any special load cells. Plus, if you choose to upgrade to Thurman's Intalogix Technology, this move will be beneficial to you technologically, as well as economically. Rather than being forced to purchase costly new equipment, your existing scales can be easily and cost-effectively converted with a retrofit kit.

Modular Design. Thurman's Intalogix Technology features a modular design for easy installation and servicing. Replacing parts and providing general maintenance is an uncomplicated process, saving you valuable time and money.

Load Cell Protection. When installed with Thurman Smart Sectional Controllers, Intalogix Technology provides the greatest load cell protection available. The platform load cells are connected to the instrument via opto couplers and transformers, providing the absolute best electrical isolation and surge protection. With this state-of-the-art technology, you are provided with superior surge voltage protection — up to eight times greater than any other manufacturer's product on the market.

Load Cell Diagnostics. Each load cell is assigned a digital I.D. By monitoring each load cell individually by its I.D. number, the system is constantly analyzing the scale's internal performance. This is an extremely fast, yet thorough process since each load cell is analyzed 16 times per second in sequential numerical order. Should an error or failure be detected, the instrument immediately alerts the operator through a service menu, allowing instantaneous diagnostic capabilities through a modem or on-site service. Since this is a never ending process, you are ensured accurate scale performance at all times.



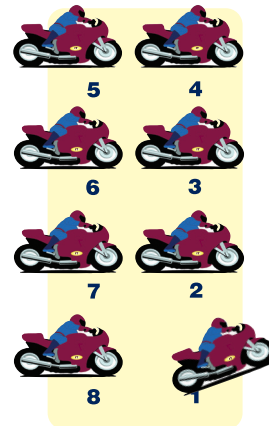
exclusive technology

TS-611
Instrument



Here's How It Works...

Thurman's Intalogix Technology ensures accurate scale performance at all times because the system is constantly monitoring each load cell individually. By assigning an I.D. number to every load cell, Intalogix Technology is able to keep an eye on each of them as they are analyzed in the system 16 times a second in ascending numerical order! Even though the load cells are running through the system at breakneck speed, Intalogix Technology is able to pick up any potential errors or system failures and quickly alert the operator.



the load cell

(continued from page one)

Digital Load Cell Signal. Since conventional analog signals can be susceptible to Electro Mechanical Interference (EMI) and Radio Frequency Interference (RFI), systems that use analog signals are limited to shorter cable run distances.

Additionally, analog scale systems use the average or sum of all load cells — this allows the weakest load cell in the system to pull the entire scale system down with it. Thurman's Intalogix Technology solves these problems by using an enhanced digital signal (up to one million times stronger than standard analog) from the scale platform to the instrument. Digital load cell signals allow for increased

accuracy, high performance, longer cable runs and enhanced load cell diagnostics.

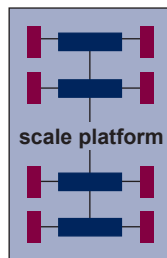
Since 1918, Thurman Scale has provided top quality weighing equipment for industries that include Agriculture, Mining, Timber and Steel.

Thurman Scale strives to be

the best in the weighing industry and continues to distinguish itself with revolutionary scale products, such as Intalogix Technology.



Digital signals are better!



The load cells are multiplexed individually by the Intalogix Smart Sectional Controllers and converted to a digital signal for processing by the instrument.

**Instrument
with Intalogix
Technology**