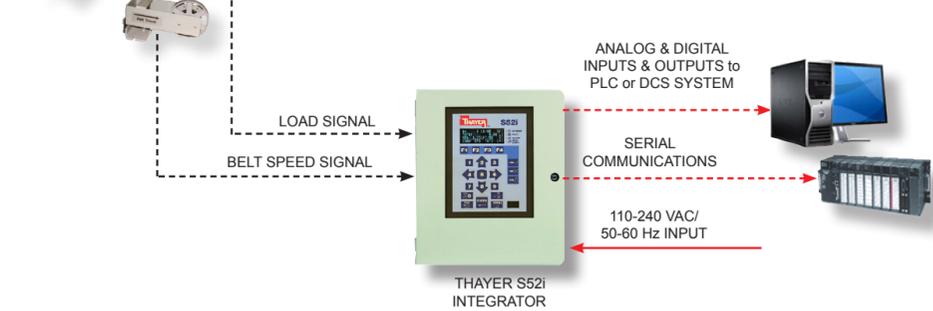
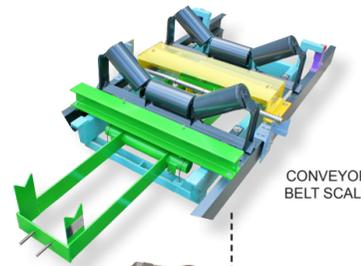
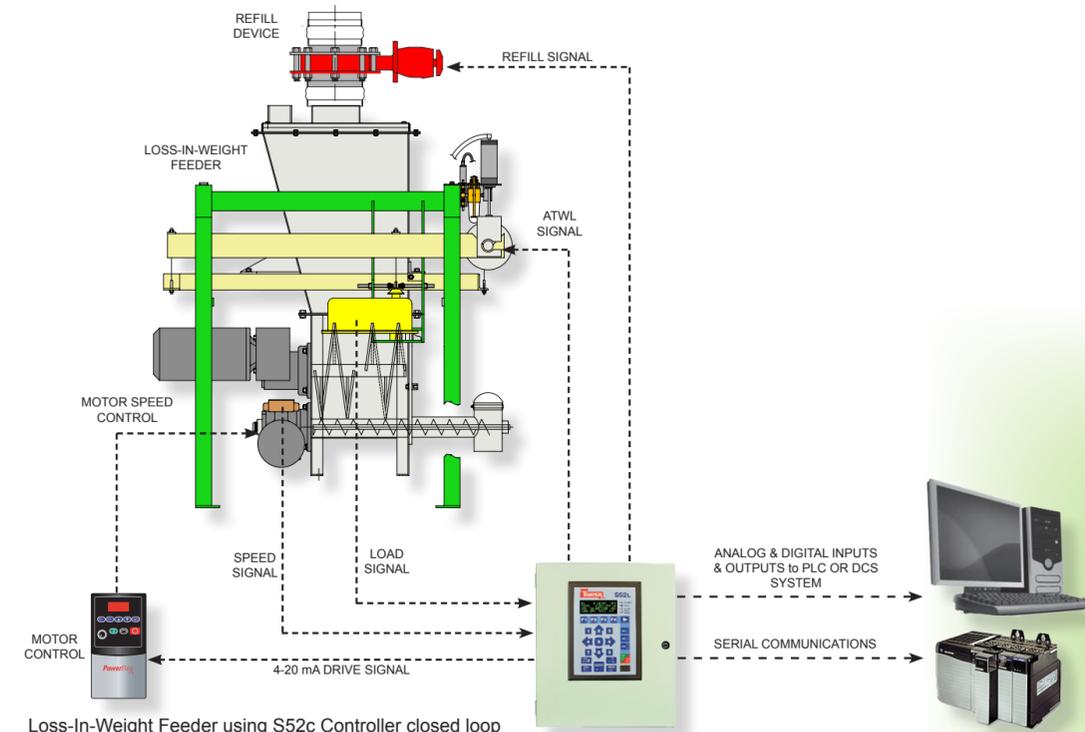




MODEL NO.	S52i INTEGRATOR	S52c CONTROLLER	SERIES 5200 ENHANCED CAPABILITY
LOAD CELL SUPPORT	SG/ LVDT	SG/ LVDT	SG/ LVDT
SPEED SENSOR SUPPORT	2 channel line driver open collector	2 channel line driver open collector	2 channel line driver open collector
ATWL	YES	YES	YES
NTEP CERTIFIED	NO	NO	YES
TEMP SENSOR SUPPORT	YES	YES	YES
BELT AUTO ZERO	YES	YES	YES
SLC IN	NO	NO	YES
SLC OUT	YES	YES	YES
LOAD/SPEED SIGNALS DIGITIZED AT SCALE	NO	NO	YES
NUMBER OF APPLICATIONS SUPPORTED	1	1	1
APPLICATION SOFTWARE SUPPORTED	INTEGRATOR	CONTROLLER BELT, LIW	INTEGRATOR NTEP CONTROLLER (BELT) CONTROLLER (LIW) CONTROLLER (RATE) BATCH (LIW)
APPLICATION SOFTWARE STORAGE	FLASH CARD	FLASH CARD	FLASH CARD
FIELD ASSIGNABLE I/O	YES	YES	YES
ANALOG INPUTS	0	1	2
ANALOG OUTPUTS	1	1	2
DIGITAL INPUTS	3 ^A	3 ^A	5
DIGITAL OUTPUTS	3 ^B	3 ^B	8
PASSWORD LEVELS	3	3	3
INTERFACE OPTIONS SUPPORTED	SERIAL (AB-DF 1) SERIAL (MODBUS RTU) PROFIBUS DEVICENET ETHERNET IP/MOBUS TCP	SERIAL (AB-DF 1) SERIAL (MODBUS RTU) PROFIBUS DEVICENET ETHERNET IP/MOBUS TCP	SERIAL (AB-DF 1) SERIAL (MODBUS RTU) PROFIBUS DEVICENET ETHERNET IP/MOBUS TCP
INTERFACE TYPE	NATIVE	NATIVE	NATIVE
CUL APPROVAL	YES	YES	YES
CE APPROVAL	NO	NO	YES
MAX. WIRING DISTANCE FROM SCALE ²	1,000 FEET	1,000 FEET	4,000 FEET
	¹ Will not support LIW Feeders equipped with SG load cell		
	² Electrically unclassified areas. Distance limited to 1,000 wire feet when IS barriers are used		
	³ Shared		
	^A 3 digital inputs (programmable) 1 digital input dedicated to motor interlock		



Conveyor Belt Scale load and speed signals integrated into a rate signal using an S52i. Signal can be sent back to PLC or DCS system for rate verification or totalization



Loss-In-Weight Feeder using S52c Controller closed loop circuitry to maintain material pre-programmed set rate



THAYER SCALE

CONTINUOUS WEIGHING & FEEDING OF BULK MATERIALS



INSTRUMENTATION UPGRADE



Improve your process reliability and efficiency while lowering your operating and maintenance costs with Thayer Scale's innovative Model Series 5200 and Model S52 family of gravimetric feeder and conveyor belt scale instrumentation. These powerful and intuitive instrument packages offer high-performance, ultra-fast execution time, and seamless integration to your host supervisory control system, providing you with a unique portal to better help you monitor, control, and understand your critical processes.

If you are presently using THAYER Weigh Feeders and/or Conveyor Belt Scales equipped with earlier generations of THAYER instrumentation (I-128, ORT-132, ORT-132A, I-133, IFC-133, PI-164, PIC-168 or EZ-3200), or gravimetric feeders and conveyor belt scales supplied by other manufacturers, then you may benefit by upgrading to this latest technology.

Thayer's Retired Instrumentation
I-128, ORT-132, ORT-132A,
I-133, IFC-133, PI-164
or PIC-168, EZ-3200



- While older generations of THAYER instrumentation were revolutionary for their time, many components used in their manufacture are no longer commercially available from our suppliers. Reduced spare parts inventories and the inability to manufacture replacement components makes these older generations of instrumentation a potential "problem waiting to happen" in today's manufacturing facility.

- Service technicians who possess the skills and expertise with maintaining these older technologies may be approaching retirement age. Maintaining older instrumentation and keeping your process up and running may be more challenging with a reduced knowledge base.

For a fraction of the cost of a new gravimetric feeder system and/or conveyor belt scale, an instrument upgrade kit will;

- Allow you to standardize on a single brand and family of instrumentation for your gravimetric feeders and conveyor belt scales, streamlining training, maintenance practices and spare parts inventories.
- Provide seamless connectivity with your modern host supervisory control systems.
- Provide enhanced signal processing and control functionality to improve feeding accuracy and consistency, boost product quality, and minimize off-spec product.

Don't Wait

Waiting until the next breakdown to upgrade that older generation instrument can be dangerous and costly. Emergency replacement means overtime labor, expedited shipping costs and lost production.

Instrument upgrade kits can be installed and commissioned oftentimes using existing wire and conduit runs to reduce installation costs and with minimal impact to your operations and production goals. No matter what your schedule we can work with you and your maintenance staff to minimize process downtime.

Since the S52 series and Series 5200 families of instrumentation feature many of the same calibration routines, alarm messages, menu structures, and diagnostic tools as some of the previous generations of THAYER instrumentation, learning curves for new instrumentation are substantially reduced.

THAYER SCALE supplies comprehensive, detailed upgrade packages inclusive of all necessary hardware, drawings, manuals, programming data sheets and wiring/cabling requirements.

Contact us today for a free analysis of your existing gravimetric feeder and belt scale instrumentation. Simply tell us how you want your process control equipment to work for you and we'll show you how to get there!



Data Acquisition and Supervisory Control

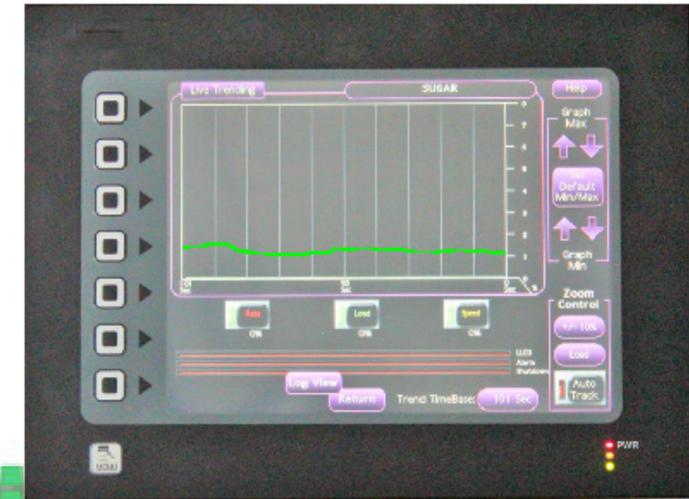
- Optional Data communications:
- Serial DF1 Allen Bradley
 - Serial RTU Modbus
 - Fieldbus DeviceNet
 - Fieldbus Profibus
 - Ethernet/IP - Modbus/TCP

We can add communication data link to allow direct high-speed data exchange between the new Thayer instrument and existing PC or PLC control system eliminating the need for hard-wired I/O point duplication.



Ancillary Components

Complete kits can also include high efficiency AC variable frequency and DC drives, high-frequency digital speed sensors, along with NTEP-approved load cells.



THAYER Model TS-520
Multi-Feeder Monitor



THAYER Models S52 and Series 5200 replaces existing retired instrumentation

