

SIT SERIES

Inventory Monitor Units



Technical Specifications

SIT Series Batch Weigh Inventory and Density Monitor Units are designed to mount on an existing bin. The SIT Series accurately monitors material usage by weight with .02% span-accurate cantilever load cells.

Features

Standard Features

- Allen-Bradley Micrologix 1500 PLC and color touch-screen
- Upper material supply (surge) hopper with conical weigh hopper reload valve
- Spun weigh hopper with pneumatic dump valve
- Mounts to existing hopper or bin
- Weigh hopper proximity switch
- 0.02% span-accurate cantilever load cells
- Remote operator control panel
- DF-1 communications
- Remote mount, solid state, high level proximity sensor
- Material inventory totalized up to 999,999,999 lbs./kg
- Serial printer port
- Hopper lid arranged for AEC SRC receivers and SLC loaders. Hopper lid may alternately be cut for non-AEC loading hoppers at no additional charge, if specifications are provided
- 115/1/60 supply voltage

Optional Features

- Upper material supply hopper air-operated slide gate in lieu of standard conical reload valve
- Remote control panel with 10 ft. cable, 50 ft. maximum distance
- Upper material supply hopper gaylord bypass tube
- Ethernet communications

Specifications

Model	Maximum rate, lbs./hr (kg/hr)*	Weigh hopper capacity, lbs. (kg)
SIT 025	1000 (454)	25 (11)
SIT 050	2000 (900)	50 (22)
SIT 100	5000 (2270)	100 (45)

* Rate based on 35 lbs./cu. ft. (560 kg/cu. m) free-flowing pellets. Actual rate may vary.