

# Silo Weighing System

## S Series



### Flexible Weighing System for Your Process Needs

#### FEATURES

- Modern intuitive system that supports up to 24 silos
- Low uncertainty weighing and temperature measurements
- Configurable flexible system for your process needs
- 3 possible display controllers: ST1, ST3 and S-Box
- Remote or local interface
- Plug and play DIN rail module for easy replacement
- Powerful 32-bit x 86 microprocessor (ST3 and S-Box)
- Multi-lingual menu available (ST3 and S-Box)
- Universal Power Supply rating of 90/230 VAC to 24 VDC



#### STANDARD OPTIONS

- Modbus/TCP option (ST1)
- Ethernet/IP option (ST3 and S-Box)
- Relay output option as limit switches for process variables monitoring (weighing and temperature)
- Up to 48 PT100 temperature sensors

## Low Uncertainty and High Repeatability Weighing System

The Silo Weighing System S Series offers a cost-effective solution to accurately measure the weight of process variables (PV) within a silo. This provides a better measurement than percentage of filling. Our innovative solution guarantees precise PV management while making it very easy for operators to monitor the storage level and temperature of PV stored in a silo. Adapting with the 178 extensometer and controllers ST1, ST3 and S-Box, this system provides repeatable weighing and temperature measurements.

The controllers are appropriate for a wide range of industrial and commercial applications ranging from agriculture, cement plant, food & beverage industry, water treatment plant, etc.

The ST1 features an LCD screen with 4 buttons which is able to display up to 4 measurements per screen. The ST3 has an intuitive touch screen that is easy to use and can display up to 24 measurements per screen (8 weighing measurements plus 16 temperature measurements). The S-Box is appropriate for centralizing many measurements on one interface (website). Its website is easy to use and permits up to 5 users to monitor measurements from any computer connected to the same network.

### Specifications Table

Indicator	ST1 system	ST3 system	S-Box system
Load Cell	178	178	178
Silo Number	Up to 8	Up to 24	Up to 24
Temperature Sensors	Up to 16	Up to 48	Up to 48
Display Measurement per Screen	Up to 4	Up to 24	Up to 72
Maximum Settable Screen Pages per System	Up to 6	Up to 3	N/A

At VPG Transducers, we understand that each application can be unique or special.

Please contact our in-house Custom Solutions team to engage our services towards meeting your specific requirements:

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