

## T6 Economical Industrial Weighing Indicator



### Introduction

Compared to the weighing precision of typical weighing indicators, the high precision and outstanding electromagnetic compatibility of the T6 weighing terminal enable it to better fulfill measurement and control applications in harsh industrial environments. Thanks to its SMT design, the T6 weighing terminal consumes less power and is more compact, allowing it to be panel mounted into a control cabinet.

From an analog output to industrial Fieldbus to Ethernet, the T6 provides a wide variety of interface options. It can seamlessly connect with many types of PC's, PLC's, and DCS's. Its digital communication interface provides direct, high-speed control for a variety of applications such as packaging, filling, dynamic weighing and discharging.

The T6 can be transparently controlled by a PLC or a PC for remote configuration and calibration. Its six-wire load cell interface compensates for signal loss due to long cable runs (up to 300m).

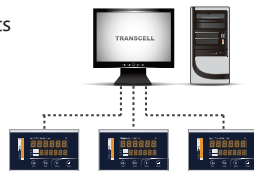
### Features

- Compact / low cost
- Multiple control modes
- Many reliable data interfaces are supported
- Quality assured with Transcell's advanced manufacturing technology

### Control applications

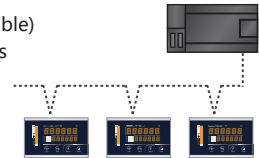
#### RS-232 serial communication

- Continuous or demand output formats
- Popular communication protocol is supported
- Remote zero and tare functions are supported
- All interfaces feature ESD protection



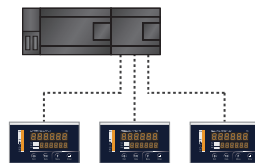
#### RS-485 serial bus communication

- Baud rate: 1200 to 57600 bps (selectable)
- Communication response time < 5 ms
- Indicator always used as a slave
- Supports MODBUS RTU slave protocol



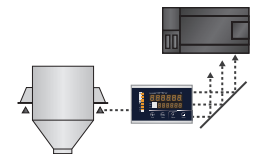
#### Analog Output

- Fully isolated 4-20 mA output
- 16-bit D-to-A conversion (1/32767)
- Fully adjustable via front keypad



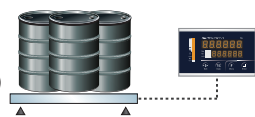
#### Set Point outputs

- Four set point values (via keyboard)
- Set point output thru internal relays
- Set point is defined as the result of a preset value compared to the displayed weight



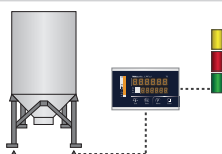
#### Weighing

- Displayed graduations: 600 to 100,000 (selectable)
- Sampling rate: 10 to 80 Hz (selectable)
- Four or Six Order Dynamic Weight Filtering
- Remote or local zero, tare and calibration function



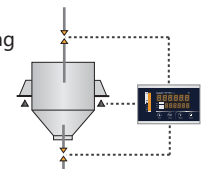
#### High/Low Alarm

- Set high high/high/low/low low values via keypad
- Internal relays can control the output warning signal
- Supports Silo material filling



#### Batching system with discharge

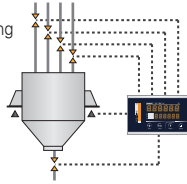
- Supports fixed value feeding and discharging
- Two set points (via keyboard)
- Manually select material type
- Internal relay control



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### Multiple Material Batching with discharge

- Supports fully automatic or semi-automatic batching of up to four types of material
- Choose single or double speed control for each kind of material
- Automatically adjusts the feeding and discharging material resolution
- Manually set input/output control function



Specifications			
Housing	Rear cover: SS304 stainless steel / Front housing: Aluminum Extrusion	Filtering	Built-in six-order dynamic filtering algorithm
		Excitation	+4.5 VDC
Installation	Panel installation	Display	6-digit LED, yellow
Protection Level	IP67	Keypad	4 function keys
Interface	Drives up to 4 – 350Ω load cells, or equivalent parallel resistance > 87Ω	Serial Interfaces	RS-485 standard, RS-232 optional
Display Division		Power	86VAC~264VAC, 50~60HZ, 300mA, 24VDC/0.3A
AD Converting rate / Sampling rate	Internal converting rate: 300 times/sec, Sampling rate: 10~80 times/sec (option)	Operating Temperature	-10°C to 45°C, 10% to 90%RH, non-condensing
		Storage Temperature	-10°C to 45°C, 10% to 90%RH, non-condensing

Product model matrix		
Model	Part NO.	Description
T6-1000	105275110	Industrial weighing terminal, compact type, DC, RS-232 interface
T6-1200	107275250	Industrial weighing terminal, compact type, DC, RS-485 interface, analog output
T6-1800	107275140	Industrial weighing terminal, compact type, DC, RS-232 interface, analog output
T6-2000	105092610	Industrial weighing terminal, compact type, AC, RS-485 interface

### Dimensions

