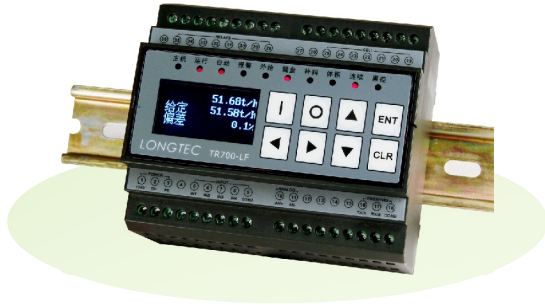


TR700-LF/BS/BC Dynamic Weighing Module

Features

- ◆ Be applicable for all kinds of resistance strain gage load cells
- ◆ A high-precision millivolt metre, which displays weighing signal value in mV directly
- ◆ Auto nonlinear adjustment
- ◆ Advanced model control algorithm can predict the effect of every control variable and adjust them in advance, achieving fast response and low overshoot
- ◆ Adopts incremental control with no fluctuation when auto/manual switches
- ◆ Be used as a PWC module to make up of a super distributed loss-in-weight or belt scale batching system, or be used independently of PWC
- ◆ Volumetric mode function
- ◆ 4- ch isolating switch inputs; 4-channel relay outputs
- ◆ 1-ch 4-20mA signal input, 1 ch 4-20mA signal output (the 2nd signal output of 4-20mA optional)
- ◆ 2-ch RS232/485 interfaces, CAN interface and Profibus-DP interface (optional).
- ◆ All interface function can be customized



Model

TR700-LF Loss-in-weight control

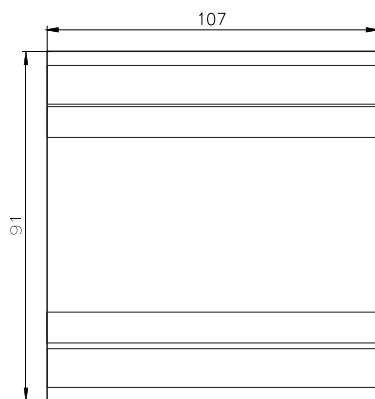
TR700-BS Belt measuring scale

TR700-BC Belt batching scale

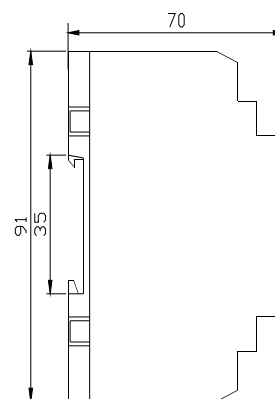
Specifications

- | | | | |
|-------------------------|---------------------------|---------------------------|---|
| ◆ Power supply | : DC 24V(18V~30V) | ◆ Consumption power | : Max. 10W |
| ◆ Working temperature | : -5°C~45°C(23° F~117° F) | ◆ Humidity | : ≤90% relative humidity (no condensation) |
| ◆ Output sensitivity | : 0.5 μ /d~200 μ /d | ◆ Input resistance | : ≥100MΩ between every terminal at DC 500V |
| ◆ Zero adjustment range | : 0.05mV~15.0mV | ◆ Input signal range | : 0mV~31mV |
| ◆ Capacity stability | : ±8ppm/k of reading | ◆ Temperature coefficient | : ≤(0.008% of the reading+0.3 division)/ °C |
| ◆ Nonlinear deviation | : ≤ 0.005% of F.S. | ◆ Sampling method | : Delta-sigma |
| ◆ Max. display division | : 50,000d | ◆ Sample rate | : Max. 100times/s |
| ◆ Internal resolution | : 1/ 16,000,000 | ◆ Sensor input voltage | : At DV 10V±5%, Max. 230mA,
That is 8 sensors of 350 Ω |
| ◆ Input range of | : 5Hz~4KHz | | |

Dimensions (mm)



Front View



Side View

Fit for dynamic weighing system (loss-in-weight, screw scale, belt scale etc.) controlled by PLC/PC