STC206-S60[L]

Weighing / Force Measuring Control Module

SCALE-TEC
MEASUREMENT WITH CONFIDENCE





Operating Principle

Applications: Weight/Force Display, Peak Value Detection&Display Holding, Auto Weight-checking, Setpoint DO Output and AO/Digit Transmission

Main Features

- EMC design with high anti-jamming capability, suitable for industrial environment.
- 32-bit ARM CPU with 48MHz clock & high arithmetic speed.
- 6+6 Red LED digital tubes character and digit display.
- 4-key keypad for Menu&Shortcut mode operation.
- 24-bit High-precision and high-speed ∑-△A/D conversion module with 1/1,000,000 internal resolution and max. sampling frequency 3200Hz.
- Special anti-vibration digital filtering algorithm for ensuring the weighing stability and accuracy when there is strong vibration on the load receptor, and the rapid response capability when the weight signal changes. Max. Connection Quantity: 8 Loadcells (350Ω).
- Zero Upon Power Up, Zero Auto-tracking, Manual/Auto Zero and Zero Calibration available.
- Load Calibration, Data Calibration, Segmenting Span Correction and Segmenting Weight Calculation available.

Main Features

- Auto-locking, Key-locking, Key-unlocking, Digital Setting&Calibration and I/O Testing functions available.
- 3 Definable normally open switch inputs [DI] and 3 definable normally open transistor switch outputs [DO].
- 1 Optional&definable current signal output [AO: 0~20mA].
- 1 Optional&definable voltage signal output [VO: 0~10V].
- RS232, optional RS485 and CANBUS communication ports for connecting Host IPC/PLC and LED Remote Display.
- With the multitasking mode, the weighing/force measuring process, alarm output and signal transmission will not be interrupted by parameter setting and the other operations.

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