

ID203

Weighing Controller



Applications:

- * Weighing transmitter
- * Filling eiderdown machine
- * Tension testing

ID203 is an industrial weighing process controller, high accuracy, very low cost weighing solution, one indicator for 3 scales.

Features:

- * 6-bit 0.28" red LED display and 10 status lights.
- * Support 3-Scale input, Each scale with 4 load cells.
- * 100,000 display division, 6000e approved for each scale I/F.
- * 200Hz A/D sample speed
- * 5-step filter, high anti vibration
- * Standard with one serial ports (RS232/485)
- * Continuous output and MODBUS-RTU output each scale ADC code and Scale weight to PLC or DCS
- * Remote calibration via MODBUS-RTU
- * No-Testing weight Calibration is available
- * DIN Rail Housing

Specifications and Parameters	
Accuracy	
Accuracy Class	III
Approval	100,000 Display Division, CMC 6000e
Display & Keypad	
Display	6 bits 7-segment red LED display, 0.28" high
Update Speed	250ms
Status Display	Gross, Net, Motion, Center of Zero, Scale
Key	4 function keys(Tare, Clear, Zero, Print)
ADC	
Type	24-bit
Speed	200 Hz
Resolution	0.06uV/d
Resolution Approved	1uV/e
Input	0.1mV to 19Mv
Accuracy	100,000d
Linearity and Stability	
In-linearity & TC	$\leq 0.0015\% FS; \leq 5ppm/^{\circ}C$
Exciting Voltage	5V DC, max 150mA
Load Cell Number	3 Scales, each scale with Max 4 x 350 Ω
Connect Type	4-wired or 6-wired, Cable:274mR/m2
Scale Basic Functionality	
Calibration	2-point with testing weight and Free Calibration
Filter	5-step
Scale Process	Tare, Zero, Auto Zero, Motion
Inputs	None
Outputs	None
Target Control	None
Communication I/F	
Serial Port	1 ports: RS232/485
Continuous Output	10ms ~ 20ms, (100~50 Hz)
MODBUS-RTU	Report each scale weight and do Calibration with each scale
Housing	DIN Rail
Power Supply	24VDC
Working Condition	
Temperature	-10 $^{\circ}C$ ~40 $^{\circ}C$, 95% RH
Power Supply	24VDC, 6W

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ID203 Industrial Weighing Process Controller
High Accuracy, Low Cost, Extensive Applications