

ID511

Weighing Controller



ID511 is an industry weighing process controller, high accuracy, kinds of field-bus communication, typical for weighing, batching, filling and chemical dangerous area weighing.



Features:

- * 3 housing modes: Panel, Harsh, Exd
- * Harsh and Exd versions with seven bits 1" high green and red LED display and 10 status lights.
- * Panel mount with seven bits 0.56" high green and red LED display and 10 status lights.
- * 150,000 display division, 6000e CMC approval
- * 200Hz A/D sample speed, 200 Hz target compare speed
- * 5-step filter, high anti vibration
- * Standard with two serial ports (RS232 and RS232/485), Kinds of field-bus options to connect to PLC or DCS
- * No-Testing weight Calibration is available
- * Exd Class: EXD IIB T6

Options:

- * 8 Inputs /12 Outputs (OC Type)
- * 8 Inputs /12 Outputs (Relay Type)
- * 4-20mA Output(16-bit DAC) x 1
- * 4-20mA Output(16-bit DAC) x 2
- * 100M LAN(TCP,UDP,MODBUS-TCP)
- * PROFIBUS DP for Siemens PLC
- * PROFINET for Siemens PLC
- * EtherNet/IP for Rockwall PLC
- * CC-LINK for Mitsubishi PLC

Specifications and Parameters

Accuracy	
Accuracy Class	III
Approval	150,000 Display Division, CMC 6000e
Display & Keypad	
Display	7 bits 7-segment green or red LED display, Exd and Harsh: 1" high display(25.4mm) Panel: 0.56" high display(14.2mm)
Update Speed	50ms
Status Display	Tare,Net,Motion,Center of Zero,Kg/Lb,PLC online/offline
Key	6 function keys(Memory,Tare,Clear,Zero,unit Switch,Print) SS keypad for Exd version
Power On/Off	None
Keypad Lock	Can be locked via local input or remote communication (MODBUS-RTU,MODBUS-TCP,PROFIBUS-DP, PROFINET, EtherNet/IP, CC-LINK)
ADC	
Type	24-bit
Speed	200 Hz
Resolution	0.06uV/d
Resolution Approved	1uV/e(legal for trade)
Input	0.1mV to 19Mv
Accuracy	150,000d
Linearity and Stability	
In-linearity & TC	≤0.0015% FS; ≤5ppm/°C
Exciting Voltage	5V DC, max 150mA
Load Cell Number	Max 10 x 350Ω or 24 x 1100Ω
Connect Type	4-wired or 6-wired, Cable:274mR/m ²
Scale Basic Functionality	
Calibration	2-point with testing weight or no testing(CalFree)
Filter	5-step
Scale Process	Tare,Zero,Auto Zero,Motion,Auto Tare,Auto Clear,Auto Print
Inputs	Option 8 Inputs, Can be assigned remote inputs for remote host(PLC or DCS)
Outputs	Option 12 Outputs, Can be assigned remote outputs for remote host(PLC or DCS)
Target Control	
OVER/UNDER/OK	Support and other 8 comparators are available
Zero Tolerance	Support
Target Control	Simple Setpoint or Sequence Control (with Start & Abort command)
Communication I/F	
Serial Port	2 ports: COM1-RS232, COM2-RS232/485, MODBUS-RTU, Continuous output weight, Demand Input & Demand Output
PROFINET	Connect to Siemens PLC, report integer weight data & Floating weight data
EtherNet/IP	Connect to Rockwall PLC, report integer weight data & Floating weight data
MODBUS-RTU	Support, Integer & Floating weight data
100M LAN Port	100M, TCP,UDP,MODBUS-TCP
Analog Output	4-20mA (16-bit DAC) x1 or 4-20mA(16-bit DAC) x2
PROFIBUS-DP	Integer & Floating weight data, 100Hz updating speed, 3 GSD inside, Totally compatible to PANTHER & IND131/331
CC-LINK	for Mitsubishi PLC, Totally compatible to PANTHER & IND131/331
Housing	
Panel Mount	IP65, 0.56" display
Harsh	IP69K, 1" display
Exd	IP65, 1" display, Ex d ib[ia II C Ga] IIB T6 Gb/DIP A21 TA,T6
DIN Rail	
Power Supply	86~264VAC
Working Condition	
Temperature	-10°C ~ 40°C, 95% RH
Power Supply	86~264VAC, 12W

Atrontec Electronic Tech Co.,Ltd
 Web: www.atronteccales.com
 Mob.: 86-13921018341
 Email: info@atronteccales.com

ID511 Industrial Weighing Process Controller

High Accuracy, High Anti-vibration, Extensive Applications