



Weighing Indicator

Model no.: MA10..I

Description:

The compact and robust Weight Indicator offers exceptional reliability, advance filtering, tested to perform under heavy interference and the most severe industrial environment. With large number of indicators being in use having negligible repair rate, it is customized for industrial weighing applications like Batching systems, Hopper/Tank weighing, Level by Weight, Crane weighing, Ladle weighing, Tundish /Turret weighing, Transfer car, Weighbridges, Platform scales etc. with highest demand for response speed and accuracy.

Key Features:

- Powerful 32 bits ARM technology CPU makes it exceptional precise and responsive
- 24 bit Sigma-Delta A/D conversion with 8 million counts internal resolution
- IP 65 front panel protection
- Modular design for ease of maintenance
- Front panel mounting
- Advanced power supply 90-260V AC
- All output ports optically isolated
- Smart adjustable analogue output
- Watchdog function making it failsafe and always reliable



We are specialized in all type of Industrial weighing (Like Tank/Hopper, Crane, Ladle, Belt/Screw Weighfeeders, Belt Weighers, Loss in Weighfeeders), Bag/Bin Filling and Batching systems, process equipments (Like Level Switches & Measurements, Vibro-Feeders, Screw Feeders, Mixer, Bucket Elevators, RALV, Vibrating Motors, all type of Valves & Actuators), Process Automation (PLC, DCS & SCADA) and Turnkey Projects.

Specification:

INDICATOR POWER	
Power supply	90 - 260 V AC, 50 HZ (60 Hz) +/- 2%
Power consumption	10 W
A/D CONVERTER	
Type	24-bit Delta-Sigma
Analogue input range	0mV to 15mV
Linearity	<0.001%FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.1 µ V/d
Conversion Rate	120/s
Display Accuracy	1 / 30,000
DISPLAY & KEYBOARD	
Display	6 digits, 7 segments, LED red
Keyboard	4 membrane switches with beeping feedback
Status Indicator	(3 LED green) Zero, Stable, Data
CALIBRATION & WEIGHING FUNCTIONS	
Calibration	By test weight or by software calibration
Digital Filter	Two Layer FIR filter with 9 selectable levels
Weighing Functions	zero, zero tracking, auto-zero at power
ENVIRONMENTAL	
Operating Temperature	-10°C to 50°C
Storage Temperature	-25°C to 70°C
Relative Humidity	90% R.H without dew
IP Level	front panel 65
LOAD CELLS	
Excitation	5V
Load Cells	Drives 8 Nos Load Cells of 350Ω
MECHANICAL DATA	
Dimensions & Weight	105×151×57 mm (L×W×H) weight approx.550g
Standard Mounting	Panel Mount
Enclosure	ABS front panel, cast aluminum body
INSTRUMENT WITH ANALOGUE OUTPUT: MA10..I + 4-20 mA	
Type	Isolaed 16-bit D/A converter
Accuracy	0.04%
Voltage Output	0-10V
Current Output	4-20mA / 0-20mA
INSTRUMENT WITH MODBUS RTU/ASCII INTERFACE: MA10..I + RS232/RS485	
Serial Interface RS232/RS485	1200-57600 baud, bus capability up to 31 units
Communication Mode	Continuous or requested or Modbus RTU/ASCII

Selection Matrix:

Model No.	Analogue output	RS232 / RS485	Modbus RTU interface
MA10..I + 4-20 mA	●		
MA10..I + RS232/RS485		●	●

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