

# Load / Weighing Indicator Controller



IM1900 Series Load Indicator / controllers are Microcontroller based highly versatile controllers for Weighing / Batching Applications. Various controlling options are available to control drive, solenoid etc. to control material in hopper. Load cell / weigh bridge interface is provided to cover wide range of applications.

Typical applications are Weighing and batching, Loss in Weight Control, Hopper Control etc. Options like Printer interface / PC Interface / 4-20 mA output make it versatile connect to PC or SCADA software or feed values to PLC. Remote Large displays are available to show the weighing results along with information like set values, weight, charges etc. for applications like Truck weigh bridges, Octroi information displays etc.

Apart from weighing application, these indicators are useful for Test and Measuring applications like Tensile / Compression / Burst / Pressure measurement. Peak hold facility makes it useful to measure the impact / breaking tension. Along with elongation measurement, these controllers can be used to calculate properties like Young's Modulus, Shear Stress etc.

## FEATURES

- Microcontroller based Digital Circuitry
- Four / Five digit LED display for parameter indication.
- Optional 4 digit display for setpoint / Peak load display.
- Dust proof membrane keypad for programming.
- Load Cell Input interface upto 3mV / V loadcell.
- Optional 4-20 mA retransmission facility for load.
- On Site Software Calibration apart from Hardware calibration possible.
- NV RAM storage to retain setpoint in case of power failure.
- Optional Control output Relay outputs rated 230V / 5A (resistive) for Drive control in batching applications.
- High Low relay alarm outputs optional.
- RS 232 Serial Interface for PC or Serial Printer (Optional)
- Size 96 x 96 x 150 mm. (DIN standard).
- Calibration Certification as per ISO9000 norms.

## MODELS

- IM1501 : 4 digit Load Indicator
- IM1501HL : Load Indicator with High Low limits
- IM1502 : Load & Elongation Indicator
- IM1506 : Peak Load Indicator
- IM1507 : Weighing Controller with Setpoint and Inflation setting

### Options

- H / L : High Low Alarms
- T : RS232 Text type output
- A : 4-20m A Current Output
- M : RS485 Modbus Output



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