



RAIL IN MOTION INDICATOR

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Each Weigh Bridge will have independent Digitizers for processing the signal generated by the strain gauges and by track switch logic. The WTR Series Digitizer will be housed in a sheet metal fabricated panel suitably reinforced. The panel will be of floor mounting type and will be dustproof.

The Digitizer will have microprocessor based circuitry with solid state integrated circuits to effect fast and reliable operation. The Digitizer is constructed to the highest international standards, embodies the latest techniques and utilizes the best components to ensure highest possible reliability and integrity, even when used in harsh industrial environment. The system can operate over a wide temperature range without affecting the accuracy and reliability the multiprocessor technology of the system allows independent processing of weight, rack logic and communication ensuring fast and accurate Weighment. The systems automatically monitor movement of wagon to initiate weigh cycle. Wagon movement on the Weigh Bridge is identified by Track Switch, placed on either side of the track switch to detect direction, type of wagon, start and stop Weighment.

Power Supply to the Digitizer will be 230V, $\pm 10\%$, 50 Hz, Single phase AC. Voltage stabilizer / Line

Conditioner will also be provided. The other features, facilities are detailed below.

- (1) Modular construction
- (2) Analog digital converter with filter
- (3) RFI /EMI signal protection to provide a high level of signal integrity even in harsh Industrial environments.
- (4) Automatic zero tracker.
- (5) Diagnostic Facility
- (6) Auto calibration
- (7) Built-in surge arrester for protecting electronic circuits
- (8) 25 mm digital display and real-time clock to display date and time
- (9) RS 232 interfaces and Centronics parallel interface to the printer
- (10) Pass Word Protection
- (11) Auto/ manual mode of operation of the system.
- (12) System will ignore Locos
- (13) All the control logic in the system will be achieved through semiconductor devices and will be free of relay logic.