AAL®
Autometers Alliance Ltd

Salient Features

- Light weight and compact in size
- Adequate journey data recording capacity
- Data transfer through Pen-drive
- Both analog and digital displays for speed
- Both internal and external memories for data storage
- Memory freeze facility
- Stepless wheel wear compensation
- Dual sensor opto electronic pulse generator for speed sensing
- Over speed audio visual alarm
- 7-digit odometer
- User friendly Windows-based data extraction and analysis software
- Graphical and tabular reports generation for easy analysis of recorded data
- Cumulative, Trip-wise, Train-wise, Driver-wise and Date-wise report generation
- Master-Slave configuration

TELPRO-DL

MICROPROCESSOR BASED SPEED MONITORING AND RECORDING SYSTEM

Autometers Alliance Ltd offers indigenously developed Microprocessor-based Speed Recording System TELPRO, exclusively for Diesel Electric Locomotives / Diesel Multiple Units (DMUs). The product integrates the latest technology and can be customised for all types of traction vehicles, like metro train, LRVs, rail cars, inspection cars, and the like. The product has been approved as per IEC-60571, IEC61000-4-3, 4, 6 and 8 requirements.

Applications

- Speed, Time, Distance indication for driver.
- Administrative control of traction vehicle for traffic scheduling.
- Vehicle trend analysis in case of derailment/accident.
- Analysis of driver's operational performance to provide training, if required.

Technical Specifications

The system works in a wide operating voltage of 50 V DC to 140 V DC.

A. Operating Conditions

Conditions	Values
Temperature	-5°C to +70°C
Relative humidity	95% (max)
Accuracy of Master & Slave	±1.0% of full scale deflection

B. Analogue indication

Factors	Values
Scale spread over	240°
Illumination	Uniform backlit dial (Green colour can be customized)
Brightness control	0-100% in 10 steps
Dial size	120 mm
Dial colour	White with black pointer & numerals (can be customized)
Max speed range	0-150, 0-160 & 0-180 Kmph (can be made as per customer's request)

C. Digital indication

Features	Values
LCD display	16×2 character alphanumeric LCD with backlit control
Time display	HH:MM:SS on 24-hour scale

D. General

Factors	Values
Size	146×217×146 mm (typical)
Weight: Master & Slave (approx)	3.5 kg (Master) 3.15 kg (Slave)
Odometer	7 digit with 1km resolution display
Input speed sensing	2 inputs for opto-electronic pulse generator 200 or 100 pulses/rev (configurable)
Digital I/P	upto 8 Nos.
Digital O/P	upto 5 Relay O/P & 2 Transistor O/P
Data Storage	Compact Flash Card as external memory
	Flash memory as Internal memory