

RAKTEL 1010

Universal Traffic Event Logger

Counter, Classifier

- Reliable permanent traffic monitoring
- Multi sensor input
 - Loop only
 - Loop plus axle sensor
 - Axle sensor only
- Flexible sensor configurations
- High performance cross-talk free digital loop detector
- Interfaces for all the popular axle sensors
 - Piezo cable
 - Piezo strip
 - Fibre optic
- RAKTEL 1010 is a major upgrade from the RAKTEL 1000
 - Increased loop sensitivity
 - Improved piezo axle detection
 - Enhanced classification
 - New power management
- The RAKTEL 1010 is a scaled down version of the RAKTEL 4010.
- Modular design, card frame allowing limited configuration options
- Active lightning protection
- Digital chassis height detection
- Comprehensive system & sensor performance monitoring
- Anti-coincidence detection
- Tidal flow and reverse direction recording
- User friendly set-up and complete diagnostics
- Range of most popular classification algorithms
- Provision for all popular data formats
- User modifiable parameter sets
- Complete software support
- Supports serial, GSM & GPRS communications
- Low power consumption
- Solar charging
- Hot swappable batteries



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RAKTEL 1010

Summary Specifications

● Sensor inputs

- 8 Channel self tuning digital loop detector.
- 8 Channel axle interface (for piezo or fibre optic sensors)

● Sensor configurations

A number of sensor configurations are available:

- Single loop only, dual loop only, single loop plus axle sensor, single loop plus dual axle sensor or dual loop plus axle sensor.
- Either one loop detector or one loop detector plus one axle interface.

● Straddle check & reverse logging

- Coincidence detection of vehicles traveling on adjacent lanes (and straddling a lane line).
- Re-assigning of reverse flow on lanes to other lane numbers allowing for tidal flow recording.

● Multiple traffic logging options

- Vehicle By Vehicle data can be recorded as well as binned data.
- Class bins, speed bins (up to 20)
- VBV information: (metric or imperial)
 - Lane of travel
 - Arrival time
 - Speed
 - Length
 - Chassis profile
 - Axle spacing
 - Class code(FHWA,RSA,UERO,AUSTROAD & other).

● Communication modes

- Direct RS232 , local and remote via modem
- GSM, GPRS

● Data extraction & control

- Local or remote via laptop or PC

● Diagnostics

- Complete local and remote sensor & system status monitoring with dynamic graphical display.

● Software support

- **TelWin** (range):

Support program for complete set-up, data extraction and monitoring function. Both for local and remote access.

Features: manual, automatic and scheduled dialing, data conversions to all popular formats, exports to spreadsheets.

- **TrafBase** (range):

Data validation, processing, reporting and archiving programs. A detailed data validation ensures high quality information.

● Power management

- High efficiency power management and solar charge regulation.
- Mains supply & charger (110V - 230V)
- 12V DC batteries
- Battery low protection and cut out
- Hot swappable battery system
- Controlled power to external devices

● Weight & dimensions

- 4.1 kg : 7.7" (non-standard) 3U rack,
315 x 195 x 140 mm
2 slots maximum

● Temperature range

- 20°C to 60°C

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