

Weigh In Motion

All Weigh in Motion applications supported by one logger and software infrastructure.

Mikros Systems offers a unique advantage of implementing one maintenance and logistic platform for all your Weigh in Motion, monitoring and counter classifier application.

Supported WIM sensors

- Load Cell Platforms
- Load Cell Strips
- Bending Plates
- Quartz Crystal Strips
- Piezo Strips

Supplementary sensors

- Axle detection (Piezo & Fibre Optic)
- Dual wheel detection
- Off-scale detection
- In lane detection
- Lane position (straddle) detection
- Temperature

Performance specification*

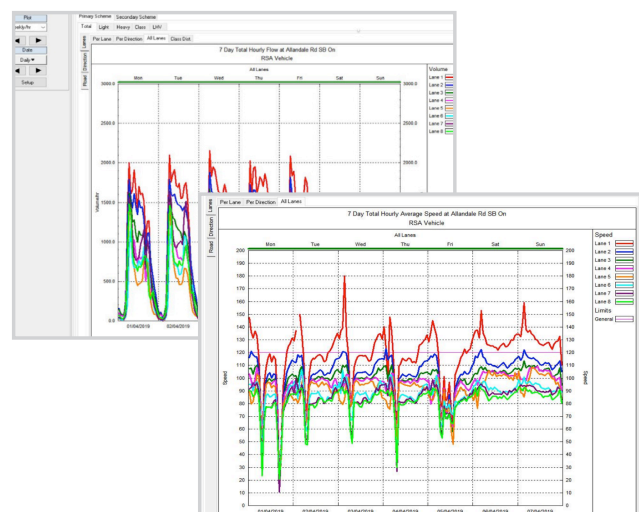
- ASTM e1318
- COST 323
- OIML R134

**Actual achievable performance depends on: installed sensor type and configuration, local road surface and traffic flow condition.*

Accreditation

- ISO9001
- Agrément TMH3

WIM System Integration



Your Partner in Traffic Engineering for more than 40 years

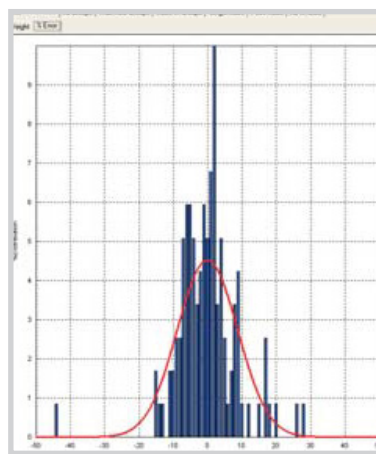
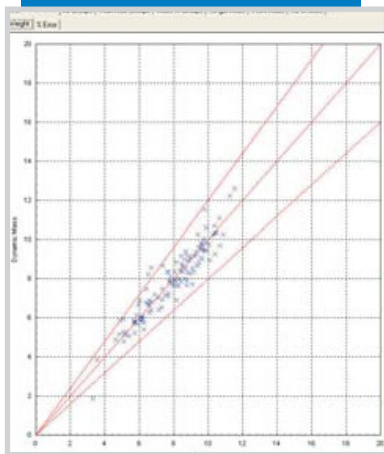
Weigh In Motion

By using the Mikros Systems RAKTEL as basic platform the following list of attributes and features are standard:

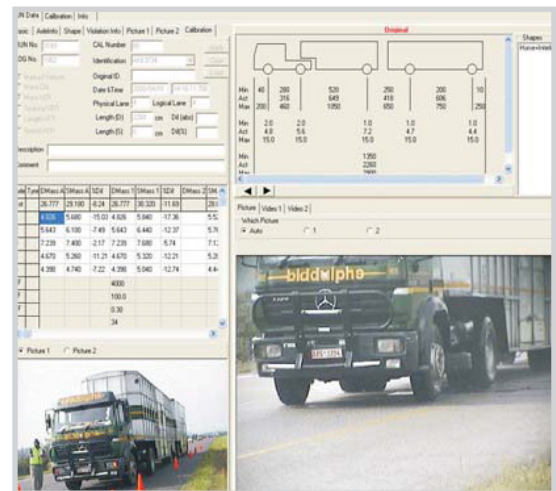
- Modular Design
- High performance cross-talk free loop detection
- Digital chassis profile detection
- Comprehensive system & sensor performance monitor
- Anti-coincidence detection
- Tidal flow & reverse direction recording
- Video frame grab control
- Range of most popular classification & data formats
- User modifiable parameter sets
- Complete software support
- Complete range of communication interfacing
- Low power consumption
- Solar power charging
- Hot swappable batteries
- Offscale sensors

Protocols available to integrate into weigh station control software

Calibration



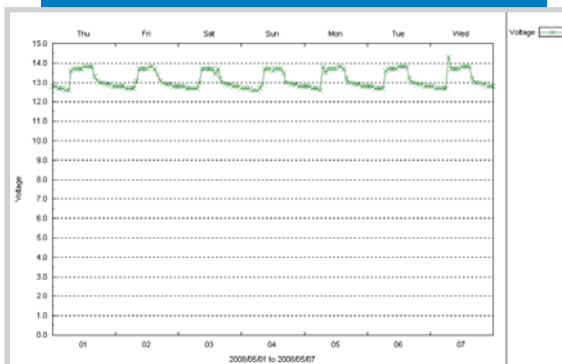
Automatic calibration results and verification of applicable standard (ASTM & COST323)



Output from the calibration module providing video confirmation of calibration vehicles used at both the HSWIM and reference scales

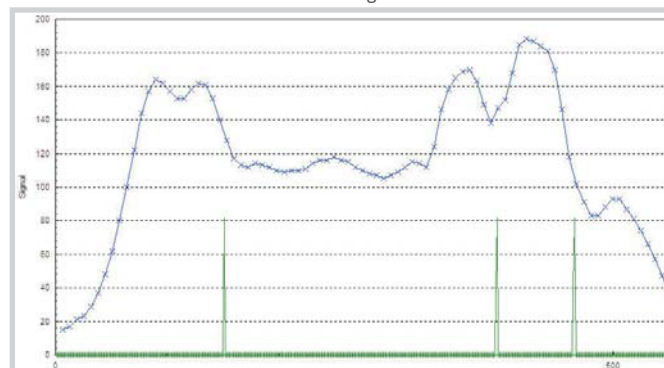
Diagnostics

Long term diagnostics



Long term battery voltage information

Sensor diagnostics



Vehicle profile & axle information

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