Low weigh in motion Girwim System

Complete automatic Girwim weigh in motion system. It allows working with a complete model with two different, but complementary, options for low speed weigh in motion.

Weigh in motion system with BPPEM axle weighing Giropès manufactured or/and PM weighing platforms, both certified with OIML R 134 requirements.

Both can operate in dynamic and static modes. System providing a low cost solution to traditional truck sales with a complete turnkey for a weighing station needs.

Best solution for places with limited space or access.
The main purpose of traffic security and pavement preservation is focused on overload impact and how to control it.

Low speed weigh in motion systems are installed to traffic security, to control the environment and preserve life of urban road infrastructure. Giropés solution has a certified WIM system for each situation.

Control for prevention and overload enforcement.

PURPOSES

- Overload control to traffic security (Law enforcement application)
- Monitoring and data collection to analyze the traffic weigh statistics
- Weigh limits’ enforcement (after preselection)
- Toll roads by weigh
- Border cross weigh control
- Research (post analysis of the uses of roads to be proactive to improve pavements)
# WIM SYSTEM POSSIBILITIES

**BPPEM**
Axle weigh

**GI308**
Indicator

**GesDyn**
Software (OIML Certified)

---

## TECHNICAL FEATURES FOR APPROVAL MODELS
*(BPPEM + indicator + GesDyn software)*

<table>
<thead>
<tr>
<th>Feature</th>
<th>CE Certificate</th>
<th>OIML R134 certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Measurable Load (per axle)</td>
<td>15.000kg ~ 60.000 kg</td>
<td>15.000kg ~ 30.000 kg</td>
</tr>
<tr>
<td>Max. Safety Load (per axle)</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Accuracy Weigh in motion Mode</td>
<td>± 0,5%</td>
<td>± 1%</td>
</tr>
<tr>
<td>Scale Interval “e”</td>
<td>5/10 kg (static)</td>
<td>20 ~ 50 kg (WIM)</td>
</tr>
<tr>
<td>Vehicle speed in low speed weighing-in-motion - LSWIM</td>
<td>1 ~ 4 km/h</td>
<td></td>
</tr>
</tbody>
</table>
## PM SYSTEM. TECHNICAL FEATURES

### GI511 Indicator option (OIML R134 certificate)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Measurable Load (per axle)</td>
<td>20,000kg ~ 30,000 kg</td>
</tr>
<tr>
<td>Max. Safety Load (per axle)</td>
<td>100%</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 0,5%</td>
</tr>
<tr>
<td>WIM Accuracy</td>
<td>± 1% (certified)</td>
</tr>
<tr>
<td>Scale Interval &quot;e&quot;</td>
<td>20 kg/50 kg (WIM)</td>
</tr>
<tr>
<td>Accuracy Class</td>
<td>5 - D</td>
</tr>
</tbody>
</table>

### GI308 option

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Measurable Load (per axle)</td>
<td>15,000kg ~ 30,000 kg</td>
</tr>
<tr>
<td>Max. Safety Load (per axle)</td>
<td>100%</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 0,5%</td>
</tr>
<tr>
<td>WIM Accuracy</td>
<td>± 1%</td>
</tr>
</tbody>
</table>

---
OPTIONALS (controlled by GesDyn software installation)

TRAFFIC LIGHTS

CAMERAS

BARRIERS

GesDyn Software
Software
Giropès-Solutions

GesDyn is a Weigh in Motion technological solution. It has designed to cover the requirements of accuracy, reliability, multi lane and flow functionality. GesDyn adapts to the different needs of your WIM projects.

GesDyn can cooperate with third-party hardware and software components that makes it possible to customize each project of Weigh in Motion system to specific application and local conditions.

Key Features

**Desktop**
- Role-based access
- User administration
- Named filters (Intelligent reporting)
- Watchdesk (online vehicle monitoring)
- Violations management system
- Classification settings
- Traffic statistics
- Data export
- Weighing instruments settings

**Mobile Apps**
- Violations management system
- User friendly

**ANPR**
- License plate recognition
- High-quality pictures
- Color pictures
- Live stream video
- Infrared night vision

**Software modules**
- Vehicle backlist
- Mobile App
- PDF reporting
- Custom features
- Language localization

**Services**
- Software installation
- Remote support and monitoring
- Watchdesk
- Register monitoring
- Scale settings
- Platform settings
Mines WIM System

In the purpose of control the access of mines, Giropes BPXL series is the solution to administrate the collect and control of extract data.

All technology has been prepared to manage entrance and exits of these specific locations.

Features and components

- 600t (max) measurable load per axle -200t (max) in OIML
- Static and dynamic mode OIML R 134
- Automatic vehicle identification
- Control cameras
- Traffic lights and dynamic message signs

Weigh-in-motion According to OIML R134

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Measurable Load (per axle) Max1 + Max2 = Max</td>
<td>60 t ~ 200 t</td>
</tr>
<tr>
<td>Max. Safety Load (per axle) Max1 + Max2</td>
<td>100 %</td>
</tr>
<tr>
<td>Accuracy Weigh in motion Mode</td>
<td>± 5%</td>
</tr>
<tr>
<td>Scale Interval “e” in Weigh-in-motion Mode</td>
<td>100 ~ 200 kg</td>
</tr>
<tr>
<td>Vehicle speed in low speed weighing-in-motion - LSWIM</td>
<td>1 ~ 4 km/h</td>
</tr>
</tbody>
</table>