



Exact diagnostics  
Smart measurement

httc

Reliable wheel load test  
for moving vehicles  
Innovative digitized hi-tech

# Protection of roads

- Road damage: caused by overloaded vehicles
- Expensive renovation: yearly costs of several billion of EUR to repair road network
- Unfair competitive advantage with overloaded vehicles
- Regular axle load check ensures axle load regulation compliance

## Safety

Avoiding accidents

Minimizing overloaded vehicles

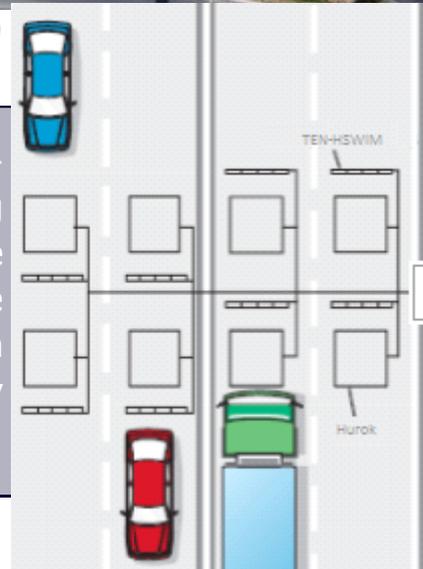


# Axle load scale In road surface

95% of supposedly overloaded vehicles are actually overloaded!



The WIM device is a special scale built into the road surface, but the driver is unable to detect it. It is used to guarantee test precision. Using sensors built into the pavement the actual axle load values of the vehicle can be measured during driving, regardless of its speed. The license plate of the vehicle is detected using a camera, regardless of its registration country. The axle load of the identified vehicle is calculated by measurement electronics.



# TEN-HSWIM High Speed Weigh-in-Motion High Speed Axle Load Weigh-in-Motion

## Why the Digital Sensor Scale?



- Reliable: our scales operate for 25 years, remote service, warranty: 2-10 years
- Proven and optimized components
- Providing 99,5% real time digitalis sign
- Evaluation software and unit
- EU WIM specification, COST 323, Class A
- Extra thin: 28 mm overall height, incorporable into the pavement
- Measurement at 15-150 km/h speed
- Modular: standardized and versatile configuration options help the individual measurement need, e.g. payment based on axle load or distance

UnivEP - RGC Univerzális Eloszuro Program - Magyar Közút Nonprofit Zrt. - RGC Méroállomás



Le a tálcára  
Kilép  
5 185

**RGC**  
v2.2.15  
9/3/2013  
5:59:03 PM  
hőfok 33 °C  
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utolsó jármű érk.  
9/3/2013  
5:58:58 PM  
 RGC nincs



RGC: 2013-09-03 17:55:45 UTC

**LRR596 H**  
2013-09-03 17:55:48  
Össztömeg: 24 629 kg  
Hossz: 16 300 mm  
Sebesség: 52 km/ó

1. A	9 762 kg
2. H	5 841 kg
3. D	2 838 kg
4. D	3 181 kg
5. D	3 007 kg



RGC: 2013-09-03 17:27:45 UTC

**MFL560 H**  
2013-09-03 17:27:49  
Össztömeg: 37 692 kg  
Hossz: 16 470 mm  
Sebesség: 55 km/ó

1. A	10 496 kg
2. H	15 853 kg
3. D	3 805 kg
4. D	3 915 kg
5. D	3 623 kg

RGC T3 K--T-- K--OT--

3,5 t 7,5 t  
32 t Sötét



## SPECIFICATION

- **DIMENSIONS:**  
200mm x 80mm x 80mm
- **WEIGHT:** 400g
- **OPERATION RANGE :**  
-40°C - +80°C
- **MEASUREMENT RANGE:**  
Between 0 km/h and 150 km/h at 20 ton axle load
- **DATA TRANSMISSION RATE:**  
Between 0 km/h and 150 km/h speed  
99,5% digitalis real time signal
- IP 68 EN 60529-91
- Wide range of report formats
- Vehicle gross weight
- Axle weights
- Vehicle classification
- Vehicle dimensions, length, wheelbase
- Determination of speed, lane, direction





**HI-TECH**  
TECHNOLOGY COMPANY



More than 40% of road damage is caused by heavy and overloaded trucks, indirectly endangering the safety of traffic.

The amortization caused by a legally driven truck is the same as the damage caused by 300 000 individual passenger cars.

According to professional estimations, one of every thousand offender is found on checking points installed on road site locations.

## Our reliable systems and HTCC representatives — In the world

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