

Innovation in industrial measurement technology



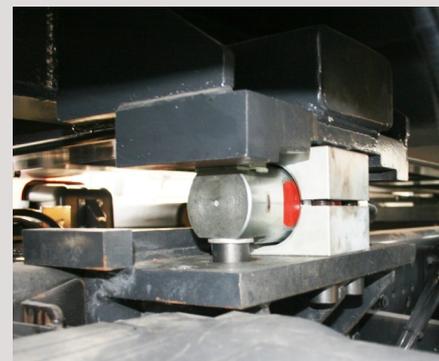
Digitalised superstructure measurement
Automatic mass measurement
Intelligent RFID identification

httc

Measuring device on the chassis of the vehicle



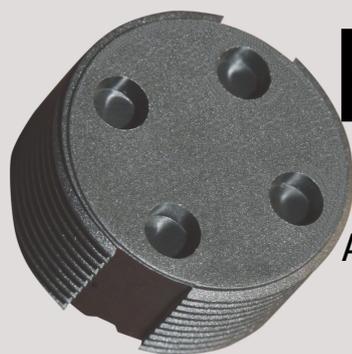
The intelligent mass measurement (when delivering fuel, solid material or waste) makes available the determination of mass for each used, and in case of multiple users it is possible to do it separately for each user. The intelligent waste management and calculation of the two component charge (availability and volume related payment) helps the application of proportionality principle and selective waste collection.





Superstructure measurement

- Application: fuel, solid material and waste transport
- Always exact mass-related payment
- Thrust resistant, operates correctly with lateral and longitudinal roll (10°)
- Electric operation, digitalized signals
- Measurement information applicable used in data format, which is sent to the user in real time



Reliable

Assignable RFID identification



The device developed and manufactured by us is located in the cab of the vehicle, and, when requested, the PC connected to the periphery device, the data collector and the printer.

Why is HTTC?

- Reliable: the scales manufactured by us work since 25 years, remote service, warranty 2-10 years
- Sophisticated and optimized components
- Providing 99,5% real-time A/D signal
- Evaluation software and unit
- EU-conform, EMKEH license
- Measuring with running engine
- Modular: standardized and versatile configuration option helps the individual measurement needs
- Daily reports and statements can be made, in case of blackout tare weight is not lost.



SPECIFICATION

Technical and metrology data

- superstructure mass measurement upper limit: max.100 kg 30 tons - (1000 tons)
- lower measurement limit: min. 20e
- certificated scale intervals: $d \geq 100g$ $e=d$
- precision class: certification ability III and IIII
weight measurement class $n \leq 2000e$, $2 \times 1000e$, $1000e$
- upper temperature limit: + 80°C
- lower temperature limit: - 40°C

Built-in scale cells:

- digital scale cell controlled in CAN bus
- tilt compensation: with tilt measuring electronics
- power supply: 24V DC, from vehicle battery
- application area of measuring device: outdoor use, IP67 protection.

The scale has an EU type certificate and meets relevant EU standards (EN14803; EN45501)





Automatic measurement

- Application: waste transport
- Very precise mass-related charge
- Automatic filling, zero extra time
- Thrust-resistant, does not require locking
- Electric operation, digitalized signals, remote service

OPCIÓN

- GSM/GPRS onboard unit, route optimization, intelligent tank cap, capacitive fluid level transmitter

Reliable

The measuring unit is built into the emptying device of the waste collecting vehicle. Works without error under field conditions (lateral and horizontal tilt). The measuring device identifies the waste container (RFID) and records the measured weight value, the ID of the container and the time of collection. The measurement data is transmitted in real-time, in an usable data format.

SPECIFICATION

Technical and metrology data

For waste containers of every standard

- upper measurement limit: max. 200 kg
- lower measurement limit: min. 2.5 kg
- certification scale interval: $e = 0,5$ kg
- precision class: waste measurement scale

For containers of every standard

- upper measurement limit: max. 2000 kg
- lower measurement limit: min. 25 kg
- certification scale interval: $e = 5$ kg
- precision class: waste measurement scale
- upper temperature limit: $+ 80^{\circ}\text{C}$
- lower temperature limit: $- 40^{\circ}\text{C}$
- built in scale cells: digital scale cell CAN controlled over a bus
- measuring device classification: automatic scale

MID MI-006

- mechanical environment classification: mounted on vehicle
MID M3
- electromagnetic environment classification: MID E3



ADVANTAGES

In storage container: for example, in fuel measurement, the settlement always results 100% precision

Using waste collecting vehicles equipped with digital industrial scale technology stimulated the producer of waste to apply selective waste collection

Automatically measures the quantity of waste emptied from the container bin.

The system can be operated alongside a running engine The scale system is thrust resistant and does not need to be locked during driving. Work without errors under field conditions (10° lateral and horizontal tilt)

The certifiable measurement data is transmitted to the IT system of the user company

The sensor signal is processed by microprocessor RFID readers: thanks to the most advanced processor available and the exceptionally high RF sensitivity, it provides very high reading speed, thus it is able to read and follow a large amount of products supplied with RFID tag. It is able to read up to 400 labels per second

The UHF, HF, LF RFID labels are waterproof and flexible, reading distance is between 10 cm and 15 meters (even 70 cm metal)

Operational temperature range: between -40 °C and +125 °C

Warranty 2-10 year; 24 hours standby

Our own design, development and manufacturing



Our reliable systems and HTCC representatives — In the world

HTCC Ltd

H-1098 BUDAPEST
H-3433 NYÉKLÁDHÁZA
Hunyadi J. u. 7. sz.

E-mail:buris@hitech.co.hu
www.hitech.co.hu

HUNGARY

Magyarországi Hulladékgazdálkodási
Köszolgáltatók
(www.hitech.co.hu/#4)

AUSTRIA

MUT Stokerau

USA

Inphora Inc.
Micred Ltd.

CHINA

Jiang Dong District
Haiyan North Road
Ningbo Exhibition Center
Pavilion 9

UGANDA

Njuki Way 1068
Muyenga, Kampala

MOROCCO

Villa Agdal,
40000 Marrakech
Douar Jeloud El Ouidane

DUBAI

Palm Jumeirah D21