

## Optical Belt Scale EHS.

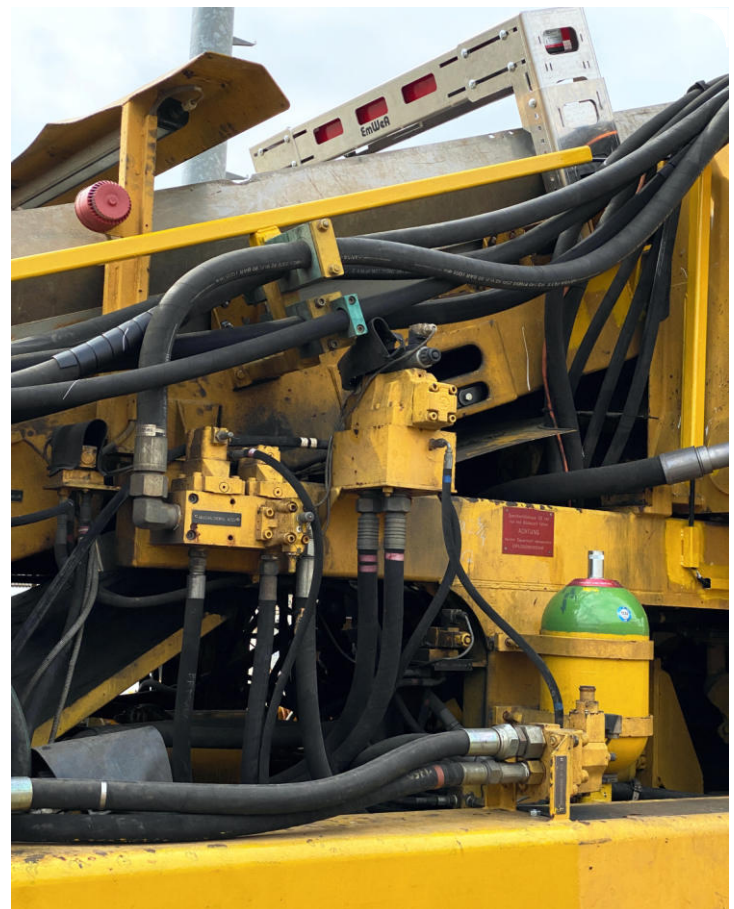
Volumetric bulk measurement  
for mobile and stationary conveyors.

**Accuracy:  $\pm 2\%$ .**



### Rigid optical belt scale for mobile systems and industrial applications

The optical belt scale's sensor is mounted above the belt or the drive pulley. It has no bulk material contact, and as a consequence it is no subject to wear. Belt speed is determined by a transducer directly mounted near the drive pulley. The system is insensitive to dust and vibrations. The optical belt scale does its job at any conveyor angle even if it varies during measurement. The sensor has no display or operating option, just a signal lamp is indicating the operational status. All measured values are stored up to one year. The included smartphone is used for operation, as well as for displaying measuring values and counter readings.



### Smartphone and mobile printer

- CAT®-Smartphone, shockproof, waterproof IP 67
- Android app „SensorManager“
- Wireless data transmission via radio
- Connection to the office PC using a USB cable
- USB cable and charging station 110/230 V AC
- Portable thermal printer
- Customer - date/time
- User - location
- Material - measurement data printout/email



## Technical specifications:

### Sensor:



Operating voltage: 24 V DC  $\pm 20\%$ ; 5 A (other voltages as an option)  
Ambient temperature:  $-45\text{ }^{\circ}\text{C} \dots +70\text{ }^{\circ}\text{C}$   
Measuring rate: 200 measurements per second  
Storage capacity: More than one year  
Interfaces: Radio module (standard)




Analogue output 4-20 mA (optional)  
Serial interface RS 422 (optional)  
Class 3B according to IEC 60825-1: 2001



Laser:  
Pulse power: 60 mW  
Pulse duration: 400  $\mu\text{s}$   
Wavelength: 785 nm  
Pulsfrequenz: 200 Hz



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*Any question?* 

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