

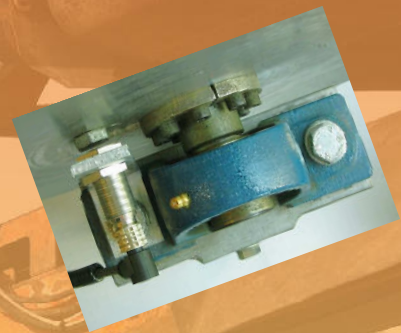
Optical Belt Scale EHS

Volume Flow Meter dedicated to mobile Equipment



Sensor

The optical belt scale's sensor is mounted above 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 smart phone is used for operation, as well as for displaying measuring values and counter readings.



Smart Phone and mobile Printer

- Android smart phone, shock-proof, water-proof IP 67
- SensorManager Android app
- Customer - Date / time
- Operator - Location
- Material - Measurement data printout / e-mail
- Wireless Bluetooth communication
- USB connection to office PC
- USB cable and 110 / 230 V AC charger
- Mobile thermoprinter



Technical Specifications (Sensor)

Operating Voltage:

- 24 V DC $\pm 20\%$; 5 A
- Different voltages optional

Ambient Temperature:

- $-45\text{ }^{\circ}\text{C} \dots +70\text{ }^{\circ}\text{C}$

Sample Rate:

- 200 measurements per second

Storage Capacity:

- More than one year

Interface:

- Bluetooth Class I (standard)
- Analog output 4-20 mA (option)
- Serial interface RS 422 (option)

Laser:

- Class 3B according to IEC 60825-1 : 2001
- Pulse power 60 mW
- Pulse width 400 μs
- Wavelength 785 nm
- Pulse frequency 200 Hz



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