WIND SPEED SENSOR
WSS103/PULSE

- high precision and low starting speed
- linear output curve - linearization of cups rotation and starting threshold compensation
- exact 4,0 Hz / m/s output frequency
- precision stainless steel or full ceramic ball bearings
- field replaceable bearings
- replaceable anemometer cups
- wind tunnel tested

WIRING

- BROWN (+)
- WHITE (OUTPUT)
- GREEN (-)
- 5 - 30 V DC

DIMENSIONS

122 mm
125 mm
30 mm
20 mm
ORDERING INFORMATION

MODELS
- WSS103/PULSE
- WSS103/PULSE/CER

OPTIONS
- Individually wind tunnel tested sensors with calibration certificate
- Measnet calibration certificate
- various cable length

SPARE PARTS
1. Spare anemometer cups
2. WS sensor head with bearings
3. WS sensor head with ceramic bearings

TECHNICAL DATA

- Wind speed measurement range: 0,6 - 50,0 m/s
- Starting threshold: 0,5 m/s
- Operating voltage: 5...30 V DC
- Current consumption: 5 mA
- Signal output: frequency, I max. 20 mA
- Output frequency: 4,0 Hz / m/s, (200 Hz at 50,0 m/s)
- Transient voltage protection: YES
- Reverse polarity protection: YES
- Temperature operating range: - 40 ... +60 °C
- Relative humidity: 0 ... 100%
- Rotation sensor type: Hall effect sensor
- Cable: Liyy 3 x 0,34 mm²; 5 m standard
  option LiyCy 3 x 0,34 mm²
- Bearings (replaceable): 2 x precision stainless steel Ball bearings (WSS103/PULSE)
  2 x full ceramic Ball bearings (WSS103/PULSE/CER)
- Material - housing: anodized Aluminum
- cups (replaceable): PA (Polyamide)
- Weight: 260 g
- Mounting: the sensor mounts on a pipe with Ø20 mm outside diameter

Subject to technical modification without notice

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