

SIGNALLING ANEMOMETER



Anemometer employed to measure and signal exceeded wind velocity. It is designed to protect equipment sensitive to wind action (hoisting cranes, cranes, overhead travelling cranes, cable transport equipment, etc.).

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- ✓ Precise and reliable (microprocessor measurement system, internal operation test).
- ✓ Two-level signalling of exceeded wind velocity - optical (bright lamps) and acoustic (very loud sound signal).
- ✓ Resistant to rugged conditions of operation (IP55, -20 ... +65°C).
- ✓ Easy assembly and operation (equipped with set of cables and holders).

Construction and Operation

Sensor

- Compact mechanical structure equipped with precise, stainless bearings.
- Electrical system with protection against electrostatic discharge (ESD).
- Connected with signalling device using screened cable.

Signalling Device

- After switching on power supply - automatic equipment operation test (acoustic and optical information).
- Continuous wind velocity measurement.
- 2-level exceeded wind velocity alarm - acoustic (very loud signal) and optical (bright lamps):
 - level 1**, after exceeded wind velocity of 50 km/h - intermittent acoustic and orange optical signal, which turns off automatically after wind velocity drops down,
 - level 2**, after exceeded wind velocity of 70 km/h - continuous acoustic and red optical signal, which is to be turned off by operator.

Technical Data

Power supply	230 V \pm 10%, 50/60 Hz (option: 48/110/230/400 (440) V~)
Power consumption	25 W (max.)
Measurement range	0,5...50 m/s (1,8...180 km/h)
Measurement accuracy for V < 30 m/s	2%
Exceeded wind velocity signalling *	<ul style="list-style-type: none">• level 1: 50 km/h (13,8 m/s)• level 2: 70 km/h (19,4 m/s)
Working temperature	-20 ... +65°C
Overall dimensions	as shown on drawing
Alarm signal acoustic power	125 dBA (1 m)
Power of bulbs in signalling lamps	21 W
Sensor - signalling device cable length *	10 m
Power supply cable length *	-
Complete unit weight	approx. 2 kg

COMMENT:

Technical data applies to unit standard option.

* It is possible to prepare anemometer options with other alarm thresholds and cable lengths agreed with orderer.

