



AnemoSP

Surge protector for anemometer



AnemoSP

Datasheet

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ABOUT DEVICE

AnemoSP is a crucial accessory for a proper installation of anemometer for [Papago METEO](#) unit. When installed in the open space (outside), it has to be connected between Papago METEO and the anemometer itself so that the Papago and any other electronics connected to it is protected from surges caused by atmospheric occurrences.

Warning: Outside installation of the anemometer cannot be installed or used without AnemoSP!

Anemometer placement fundamentals

- It is practically impossible to place the anemometer in such a way that a direct or very close lightning strike is impossible. That also applies to the electronics as well.
- To create the best possible conditions for the anemometer to work properly, it is necessary to place the anemometer to a place exposed to the elements – on a roof, mounting pole or so on. These places are however very prone to lightning damage.
- To minimize the risk of damaging the anemometer, it is necessary to install it in a place protected by a lightning rod and place the AnemoSP surge protector between Papago and the anemometer.
- AnemoSP has to be connected as close as possible to the entry point of anemometer cable to the switchboard (< 20 cm) and the grounding terminal.
- Grounding cable must be as short as possible, with cross section at least 6 mm² (10AWG). Use the supplied cable for convenience.
- Maximum allowed cable length is 50cm.
- Place the anemometer cable as far from the lightning conductor.
- We recommend consulting the anemometer placement with lightning protection expert.

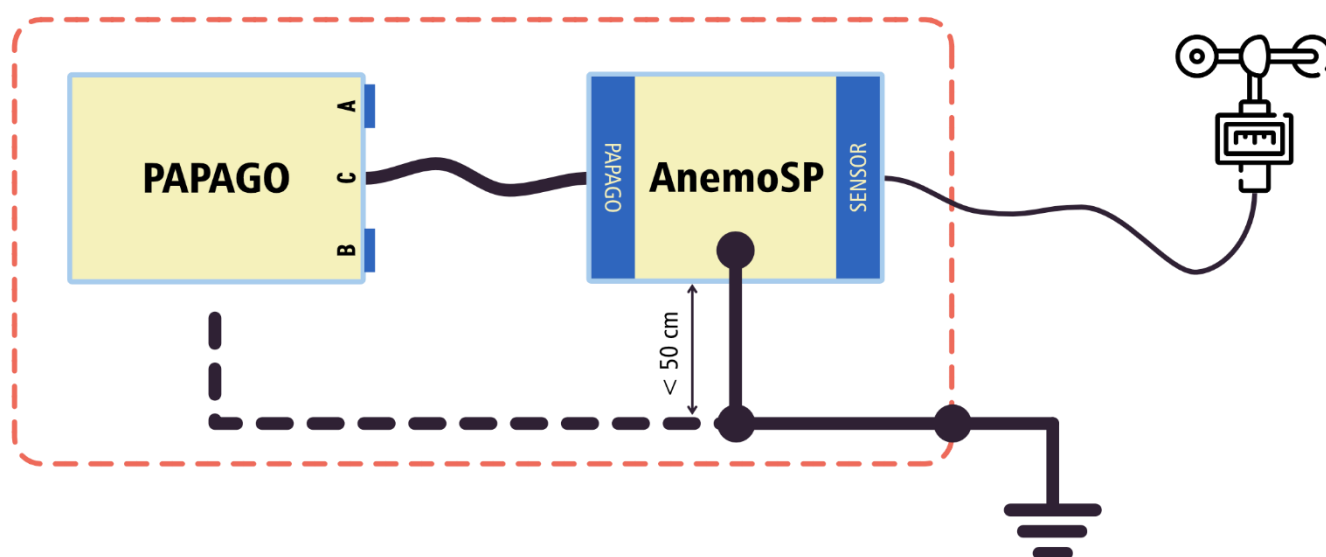


fig. 1 – AnemoSP and Papago connections

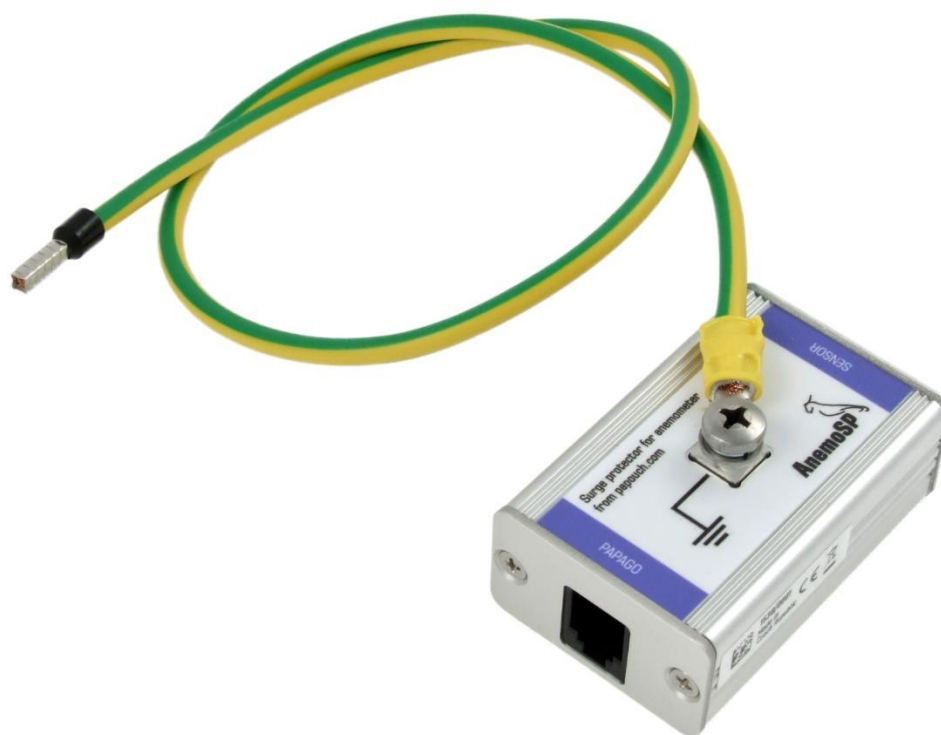


fig. 2 - AnemoSP with grounding wire

TECHNICAL PARAMETERS

Dimensions.....	64 × 41 × 32 mm
Weight	70 g
IP coverage	IP30
Operating temperature range	-40 to +60 °C
Papago connection cable	RJ11, 4 wires, 1:1
Ground wire terminal screw	M5×8
Min. GND cable cross section	4 mm ² (12AWG) < 20cm or 6 mm ² (10AWG) < 50cm
Maximum GND cable length.....	50 cm

Included in the package

1. AnemoSP surge protector
2. Grounding wire 6 mm², 50 cm length
3. Papago METEO connection cable - RJ11, 4wire

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