

Technical note

Replacing the WindSensor P2546A-OPR

The WindSensor P2546A-OPR Cup Anemometer has been discontinued as per 2017-07-22 due to restrictions in the EU Directive 2011/65/EU (RoHS 2).

Please consider the P2546D-OPR Cup Anemometer as a direct replacement. P2546D-OPR is plug and signal compatible with P2546A-OPR and has the same physical and electrical specifications and hence the same performance and classification. The two models differ only in the way the signal is generated: by means of a reed switch in P2546A-OPR and by means of an electronic switch in P2546D-OPR.

When replacing P2546A-OPR with P2546D-OPR it is important to note the polarity of the pull-up voltage for the output signal. The electronic circuit inside P2546D-OPR does not allow for reverse polarity operation whereas the reed switch inside P2546A-OPR is not sensitive to reverse polarity.

Before connecting P2546D-OPR please validate that:

- Connector center pin (white wire) is connected to a positive voltage source through a pull-up resistor.
- Connector outer sleeve (brown wire) is connected to a negative voltage source (ground).

More information on connecting the P2546D-OPR to a datalogger is available in the application note "Connecting the WindSensor P2546D-OPR".

Datasheet, classification and application notes for P2546D-OPR are available on our web site

<https://www.windsensor.com/en/products/p2546d-opr-cup-anemometer>.

The following services will remain available to P2546A-OPR:

- Technical support
- Refurbishment
- Calibration