

AN MO03

High-performance antenna

for SAW-based monitoring systems & Partial Discharge Detection

This antenna, centered around 434 MHz, can be used as:

- *emission antenna for SAW sensors*
- *receiver antenna for partial discharge measurements*
- *sensor antenna deported from the sensor*

It's available in 2 standard models for measurements in open space: AN MO03CB for ISM-regulated areas and AN MO03CS for FCC/IC-regulated areas.

It's also available in a specific model for measurements inside a switchgear cubicle (reference CB-S).

A lateral 295 cm coaxial cable is part of the antenna to enable its connection to the sensor or the transceiver.

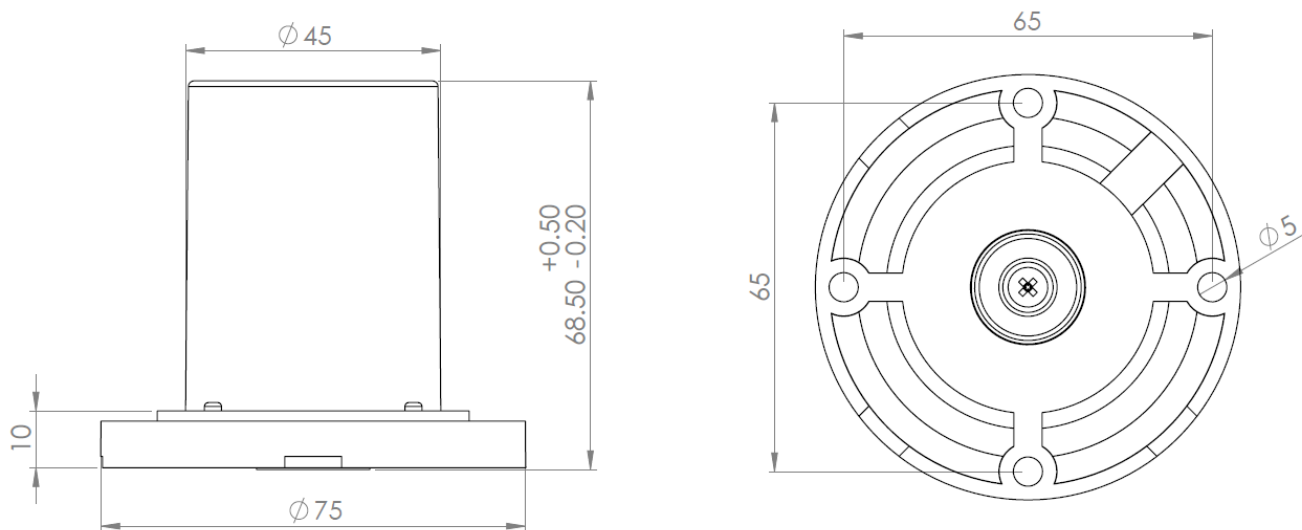
It can be mounted with 4 screws on the surface of a metallic wall, or thanks to the magnet integrated in the antenna basis.

Other references are available for operation around 915 MHz (AN MO04) and for High Temperature applications (-HT).

Specifications – AN MO03 (CB, CB-S and CS)	
Operating temperature range	-25°C, 85°C
Recommended environment	Metallic ground plane
Polarization	Vertical
Nominal impedance	50 Ohms
Radiation pattern	Omnidirectional
Material	Plastic
Connector type	SMB for version AN MO03CB and AN MO03CB-S Specific for version AN MO03CS (FCC compatible)
Diameter (typical)	75 mm (basis) – 45 mm (radome)
Height (typical)	68.5 mm
Weight (typical)	75 g (without cable)
Fixation	1 magnet inserted in the basis Also possible: 4 screws (M5x16 mm minimum) [not included]
Cable length	295 cm
Cable operating temperature range	-55°C, 200°C [165°C at connector end]



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AN MO03 - Side and bottom views (dimensions in mm)