

ANT-EXT
User Manual

Capetti
 ELETTRONICA

Wincap



General warnings.

- The following information must be read and understood before proceeding with the installation, commissioning and maintenance of the devices described in this document.
- **ATTENTION!** Any omission or failure to follow these instructions scrupulously can cause danger.
- **ATTENTION!** Explosion hazard. In case of batteries substitution, make sure that the type is compatible and complies with the specifications indicated by the manufacturer.
- In case of batteries substitution, **DO NOT** disconnect the flat cable which connect the electronic boards without removing batteries before
- ALWAYS substitute all the batteries, also in case of one single battery exhausted.
- If the device is powered by a fixed network, make sure you have disconnected the power supply before carrying out any type of intervention. Failure to comply with this indication can cause damage to people and/or property.
- Follow the manufacturer's suggested warm-up time (*time required to obtain a reliable measurement*) of the transducer.
- Follow the manufacturer's suggested electric wiring of the transducer to measure (*ground shields at a single point, cable length and section*); voltage measures on distances exceed 15/20 meters are subjected to electromagnetic disturbances. 0÷25mA inputs have a superior electromagnetic compatibility (*EMC*).
- Avoid passage in cavities with power or high voltage cables.
- The protection and safety measures and the warranty provided by the Manufacturer with the equipment may be compromised if it's used in a manner that does not comply with this user manual.
- This equipment complies with CE regulations.
- Modifications or tampering not expressly approved by the Manufacturer could void the user's authorization to operate the equipment.
- This equipment must be installed by qualified personnel and in accordance with national regulations and/or related local requirements.
- Make sure that the object is properly fixed to supports/infrastructures capable of withstanding this load. Make sure proper methods and materials are used when fixing the equipment to a wall.
- Only personnel expressly authorized by the manufacturer can open the container. There are no user serviceable parts inside.



1. Description.

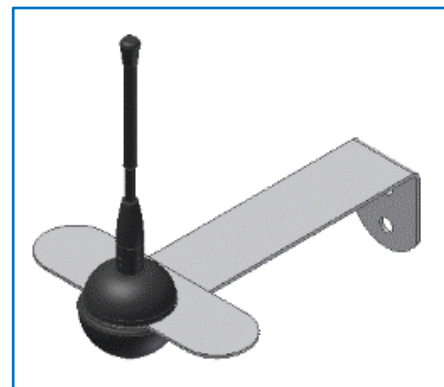
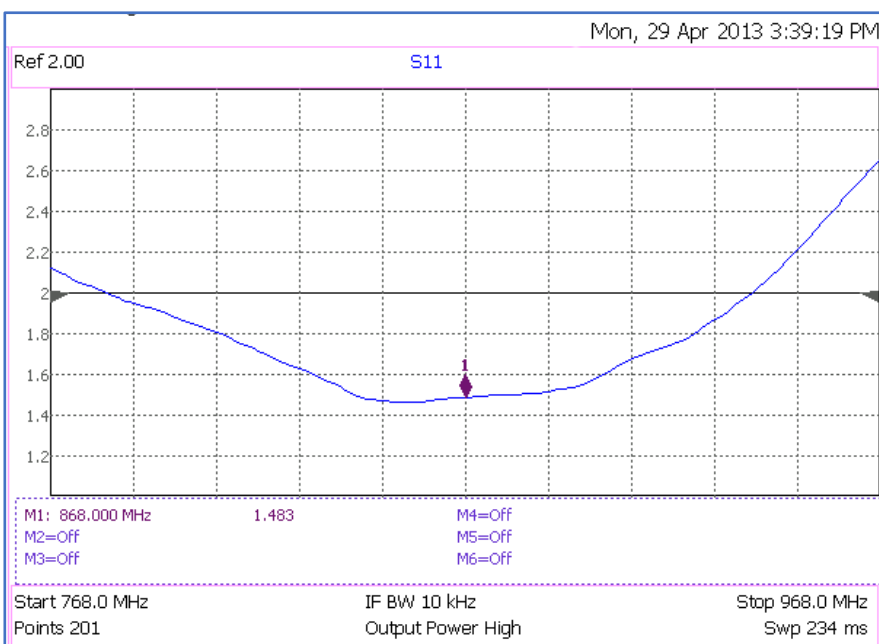
ANT-EXT is an omnidirectional antenna with pole/wall installation clamp, with brass cable/antenna connection, with stiff protection and hole for condensation drain.

2. Mounting instructions.

Use 2 dowels Fischer type for 6mm diameter holes. Antenna can be wall or pole mounted.

ATTENTION: For a correct installation place the antenna with vertical dial and 10 cm far from any metal surface.

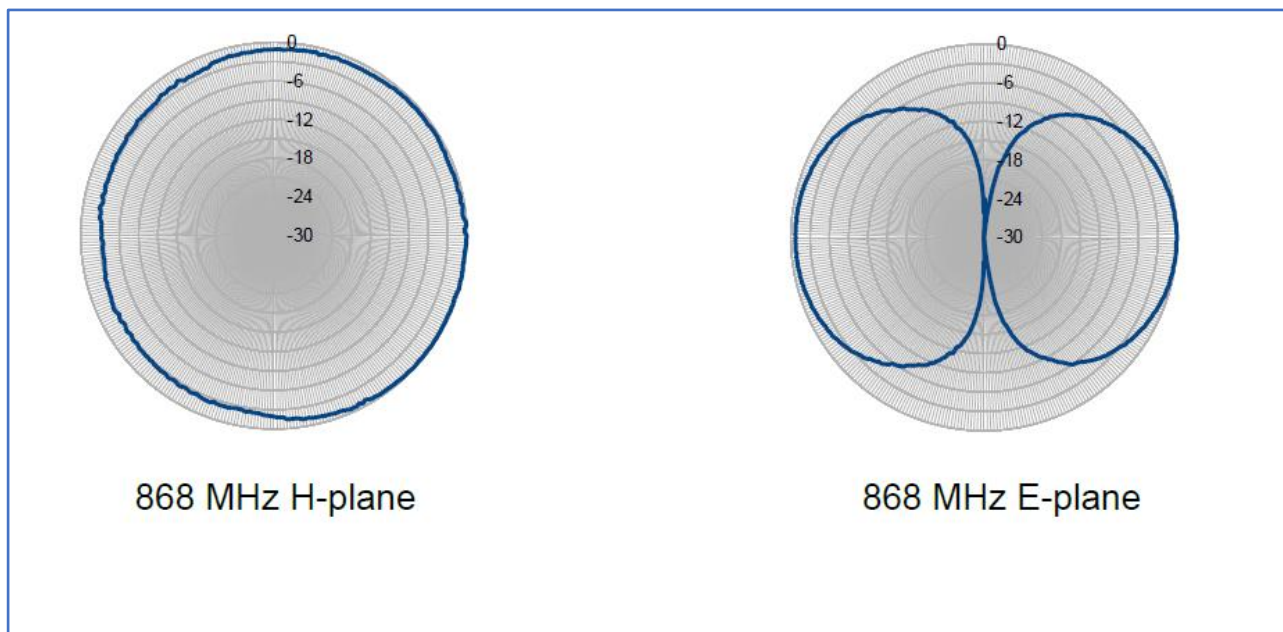
3. V.S.W.R.



Picture 1 - Product image



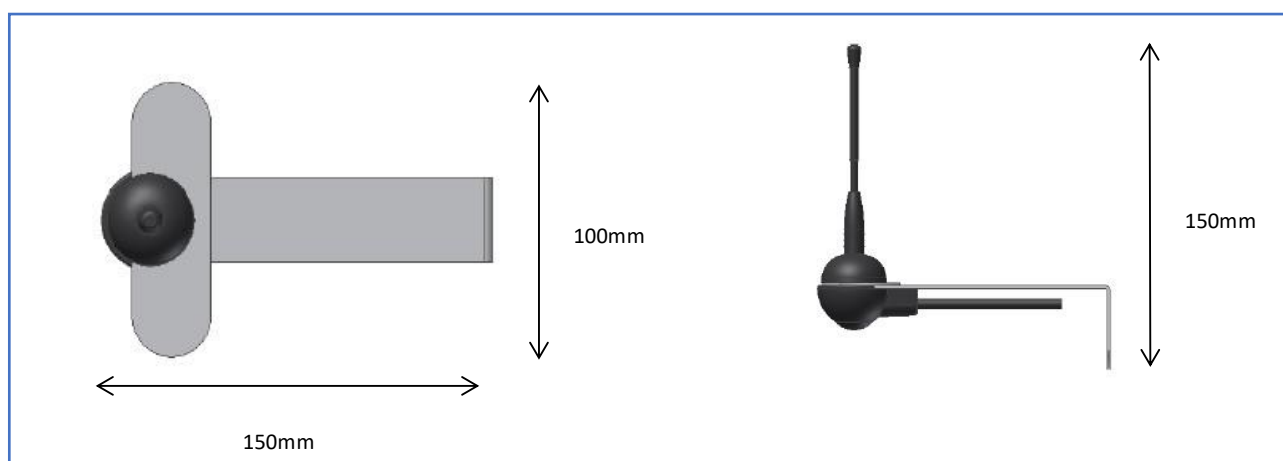
4. Radiation diagram.



Technical Information.

Frequency	860 - 880 MHz
Impedance	50 Ω
V.S.W.R.	< 1,5 : 1
Maximum power	15 W
Polarization	Linear
Radiation	Omnidirectional
Gain	2,15 dBi
Dimensions	150x100x150 mm
Weight	0,230 kg
Cable	RG58 tinplated, 5 m
Working temperature	-40° / +80°C
Screws/clamp material	Stainless steel
Radiant element material	Steel, brass

5. Mechanical dimensions.





6. Disclaimer.

- Specifications are subject to change without notice and should not be interpreted as a commitment on the part of Capetti Elettronica S.r.l.
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- The product is not intended for use in applications where safety is critical, such as life-security systems or medical-related applications.
- If a channel is saturated or disrupted "Frequency hopping" transmitting method allows data integrity and security, but correct functioning of the product in environments with high radio activity is not guaranteed.



7. Reference standards.

EN 61010 -1

For electromagnetic compatibility

EN 61000 - 3 - 2

EN 61000 - 3 - 3

EN 300 220 -2

EN 301 489 - 03

EN 61000 - 6 -1

This symbol indicates that this product is compliant with the European Directive 2011/65/CE that restricts the use of substances in the manufacturing of electronic devices.



The "WEEE" logo on the label indicates that this product is compliant with the "WEEE" EC Directive. This symbol (valid only in the European Union countries) indicates that the product it is applied to, MUST NOT be discarded with ordinary household or industrial waste, but must be sent to an authorized reception point. The end user should contact the device provider, either the manufacturer or the reseller, to agree a collection and disposal process, after having checked the terms and conditions of sale.



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