

Meinberg Funkuhren
Lange Wand 9
31812 Bad Pyrmont, Germany
Phone: +49 (5281) 9309-0
Fax: +49 (5281) 9309-30
https://www.meinbergglobal.com
info@meinberg.de

GPS EX-PROOF: Explosion proof active GPS L1-Antenna

Explosion proof GPS L1-Antenna for areas where hazardous substances may occur.

Key Features

- Explosion proof according to EN IEC 60079-0:2018 / EN 60079-1: 2014
- Pressure resistant housing with integrated 40 dB amplifier

Description

The Antenna is compliant to the ATEX-Directive 2014/34/EU and certificated for Zone 1, an area in which an explosive mixture is likely to occur in normal operation. The ATEX-Directive is an EU directive describing what equipment and work environment is allowed in an area with an explosive atmosphere.

Meinberg's explosion proof antenna consists of a GPS L1 band antenna and a stainless steel housing including a 40 dB amplifier. The stainless steel (AISI-316) housing which is resistant to many environmental impacts, such as sea salt, makes the antenna also suitable for use on offshore platforms.

Characteristics

Type of Antenna

* Top centered installed passive antenna, Ex II 2G Ex d IIB T5 (ATEX)
* with integrated 40dB amplifier
* Voltage U = 3 - 16 V DC, Current I typ.= 20mA

Conformity

* ATEX Directive 2014/34/EU
* EMC Directive 2014/30/EU
* RoHS Directive 2011/65/EU

Equipment - General requirements

* Explosive Atmospheres EN IEC 60079-0:2018
* Explosive Atmospheres EN 60079-1:2014

Equipment protection by flameproof enclosures

Antenna Connector	Type-N connector

Form Factor

* Ex d IIC (explosion proof enclosures)
* Explosion proof according to EN IEC 60079-0:2018
* Test certificate DEKRA 13 ATEX 0209

* Pressure housing type TNCD 191918

* Lid: closed / without disc

* Dimensions:
(outside): 190 x 190 x 180 (205) mm (W x H x D)
(inside): 167 x 167 x 134 mm (W x H x D)

* Material: AISI 316L / CF-3M

* Surface: shot peened

IP Rating	IP65
Product Weight	16 kg
Supported Temperature	-40°C to +60°C
Warranty	Two-Year Warranty
RoHS Status of Product	This product is fully RoHS-compliant.
WEEE Status of Product	This product is handled as a B2B (Business to Business) category product. To ensure that the product is disposed of in a WEEE-compliant fashion, it can be returned to the manufacturer. Any transportation expenses for returning this product (at end-of-life) must be covered by the end user, while Meinberg will bear the costs for the waste disposal itself.

Manual

There is no online manual available for this product.: [1]Contact us

Links:

[1] mailto:info@meinberg.de