

Testing apparatus

Electromechanical Lightning counter

Comply with IEC 62561-6



This counter records each lightning stroke on a lightning protection system. This information can be useful to do the maintenance of the lightning protection system after a lightning impact.

Thanks to its reliable construction, this counter resists very well to the outdoor difficult conditions (rain, sun).

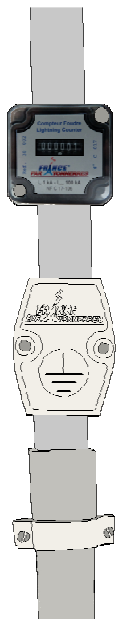
It is totally autonomous and requires no supply.

Its performance was tested in COFRAC laboratory, and is guaranteed until 100kA, on negative and positive lightning strokes.

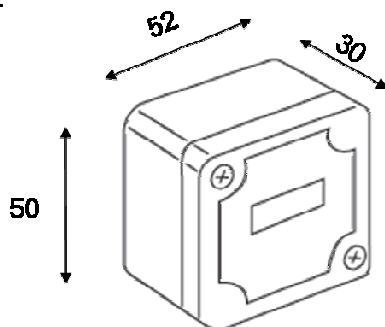
Its small size allows it to be integrated discreetly on the lightning conductor.

TECHNICAL DATA

<u>Reference</u>	<u>30002</u>
Fastening	Parallel
Counter	2-999999
Function mode	Electromechanic
Range of detection	1 kA – 100 kA (8/20µs)
Size	52 x 50 x 30 mm
Weight	0,10 kg
Protection index	IP66
Range of temperature	- 25°C à + 70°C



DIMENSIONS



WARRANTY

We offer a one-year limited warranty on 30002 lightning impulse counters since the date of invoice.

We warrant our products to be free of defects in materials and workmanship that result in failure during normal use.

Operation

Placed directly on the lightning conductor, this meter uses fields shone by the current of lightning to activate an electromechanic meter.

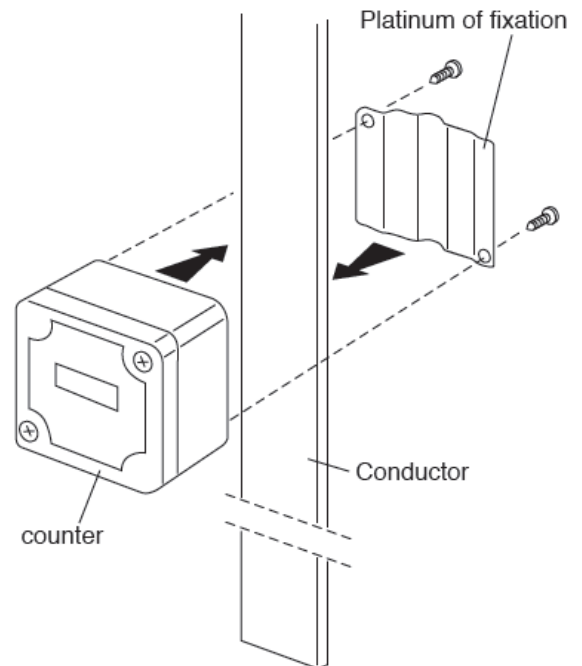
Fastening

The fastening is made on the counter with the stamped stainless steel plate. Thanks to its light weight, the product can simply be supported by the lightning conductor.

Connection

This counter is installed just in contact of the lightning conductor (round Ø 8 to 10mm, flat 30x2 or 30x3mm). It is usually installed above the inspection joint, at 2 meters above the ground (NF C 17-102).

Nevertheless, it can be positioned at any other more suitable point of the Lightning Protection system on the down conductor.



Use/maintenance

It is advised to hold up to date a register which represents the display of the counter at the installation date as well as the display of the counter.

This counter is delivered with the display: **000001**

STANDARDS & REGULATIONS

For a site subject to a lightning risk, it is necessary to carry out a lightning risk analysis (NFC 17-102, EN 62305-2 or UTE 17-108), then to define via a lightning technical study the specifications of protection to be set up.

The implementation of the necessary protections is done in accordance with the Standards of protection in effect (NFC 17-102 Ed. 2011 or EN 62305 Ed. 2010).

Initial or periodic verifications made it possible to supervise the evolution of the protection devices against lightning and to ensure the protection of the people and the goods.

According to Art. 20 of the decree of 19.07.2011 of the French Minister of Ecology, the recording of the events must be done for the sites ICEP (Installations Classified for Environmental Protection).

The lightning counter IONICOUNT® is the guarantee of the recording of essential information during the verifications on sites.