



This is an optional accessory. The need for its use should be evaluated according to the application and grounding conditions.

Lightning Insulation Base

The SEVEN 3S-LIB Lightning Insulation Base is an electrical and thermal insulation layer installed between the pyranometer and the metal mounting structure. By electrically isolating the sensor housing from the mounting structure, it reduces the risk of unintended current paths and helps limit the direct transfer of lightning-induced potential rises to the sensor housing. In addition, by limiting conductive heat transfer from the metal structure, it reduces the impact of externally induced sensor housing temperature fluctuations on measurement accuracy.

It is specifically designed for PV power plants and outdoor applications where mounting structures are integrated with grounding and lightning protection systems. It provides a secondary layer of protection that complements the site's existing electrical safety measures.



Note: The 3S-LIB does not replace the site's primary lightning protection, grounding, or surge protection systems.

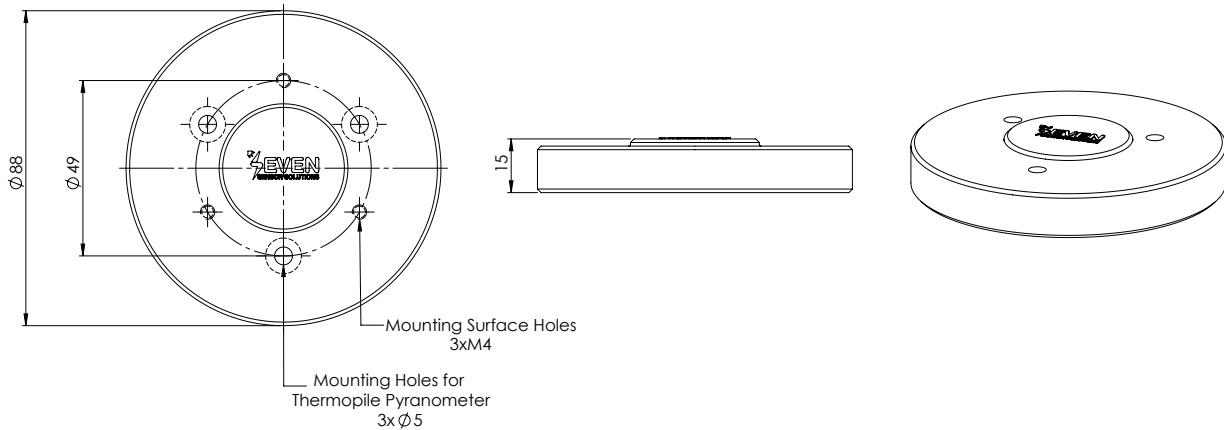
Benefits and Features

- Additional Insulation Against Lightning Effects
- Thermal Insulation
- Resistant to Outdoor Environmental Conditions
- Fast & Simple to Install
- 2-Year Warranty

Technical Specifications

	3S-LIB
Product Type	Electrical and thermal insulation base for SEVEN pyranometers
Material	Outdoor-resistant Polyethylene Terephthalate (PET)
Dimensions	Ø88 x 15 mm
Weight	0,115 kg
Material Operating Temperature	-40...+100 °C
Mounting Plate Thickness	4–6 mm (mounting plate to be supplied by the customer; fasteners are included with the product)
Maximum Tightening Torque	0,50 N.m (for base mounting points only)

Technical Drawings



Note: All dimensions are in mm.

* SEVEN reserves the right to make changes to this document without prior notice.