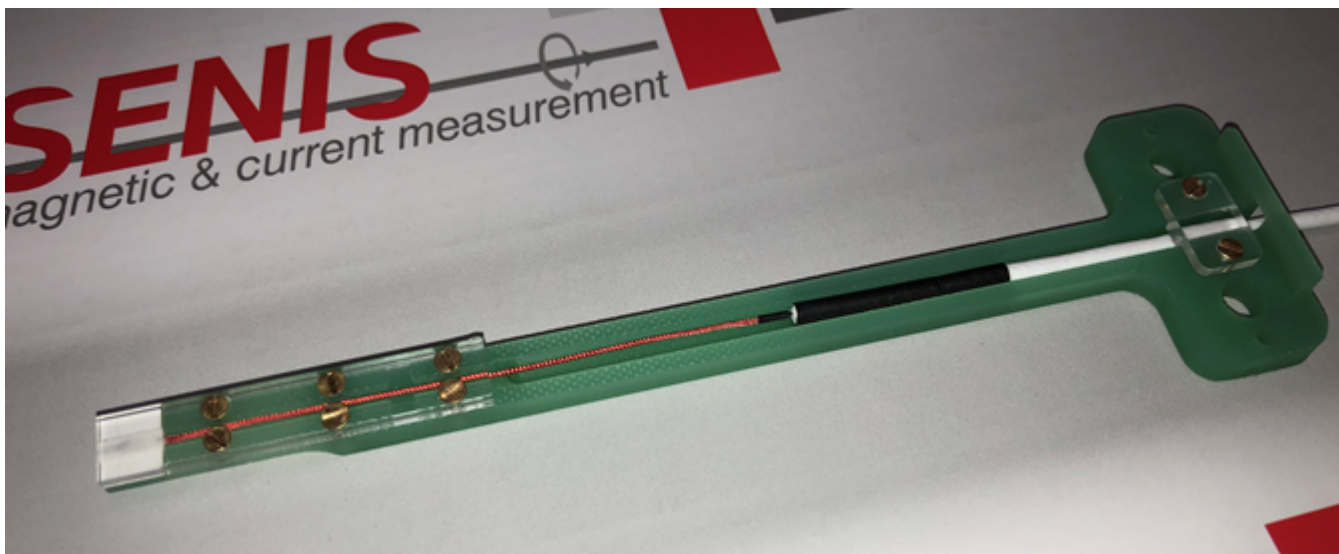


Description:



The Probe Head Support type PHS-DL may be used to position the SENIS Hall probe C during the measurement of the magnetic fields in the air gaps of the undulator systems, between the rotors and stators of the large generators, etc., as well as to protect the probe from mechanical damage.

The holder is made of fiberglass, allowing a very good dimensional stability and mechanical solidity, as well as a usage at the extended temperatures (almost up to +120°C).

The Hall probe is fitted between the two hard plates, made of alumina ceramics (Al_2O_3), and each one serves as a locating reference.

The flexible part and a short section of the probe cable are submerged in the channel along the holder. A firm fixing of the probe and its cable is provided by the two plastic plates and two brass screws.

The two additional holes ($\Phi 6.4$ mm) may be optionally used for a further fixing of the holder during an end-site installation.

If needed for a re-calibration purpose, the probe may be disassembled from and re-assembled into the support structure (as shown in the Figures 2 to 6).

Mechanical specifications:

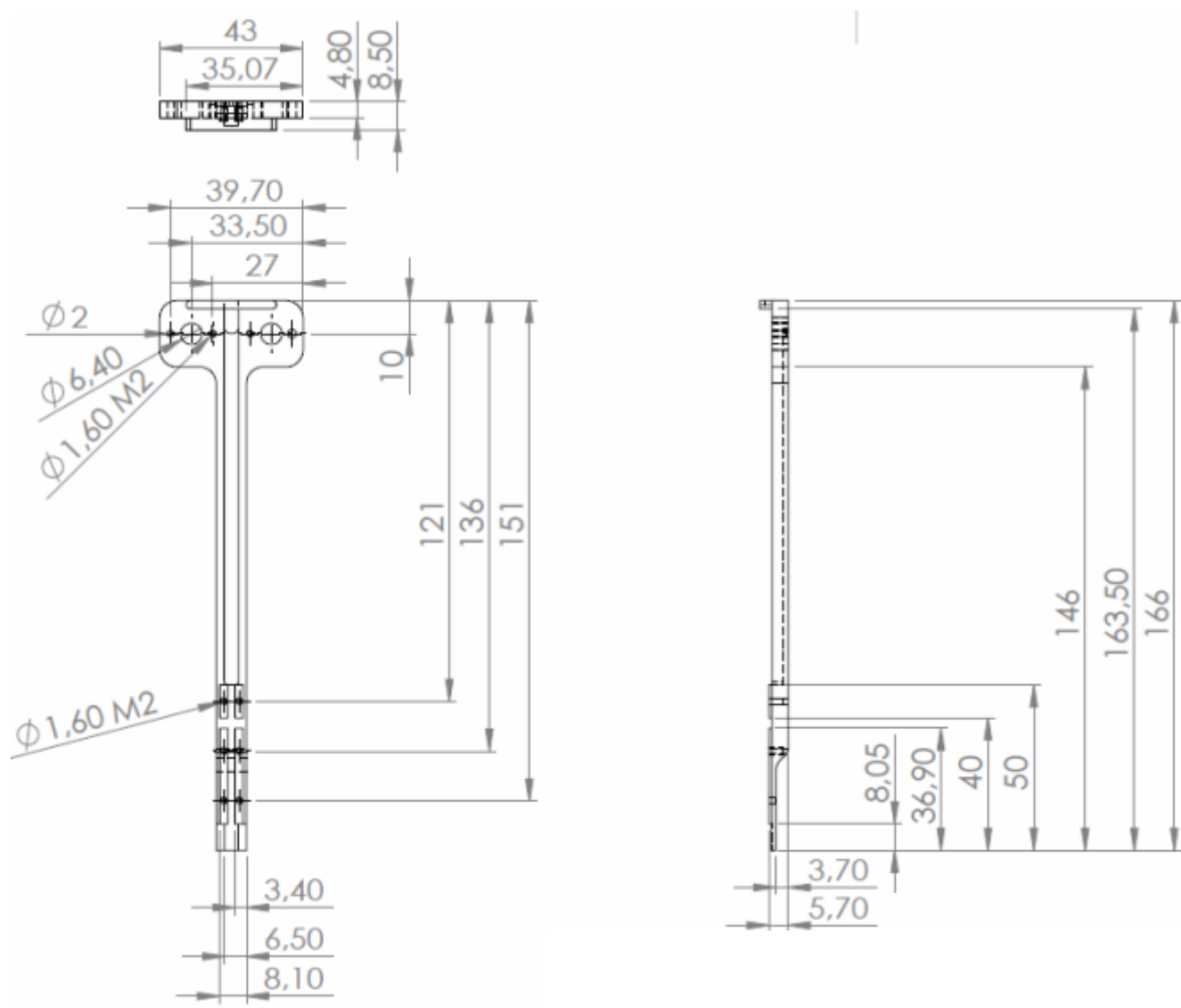


Figure 1. Mechanical dimensions of the Probe Head Support PHS-DL

Installation Manual: Disassembling the C Hall probe from the PHS-DL Holder

Step 1: Unscrew the six small brass screws on the top side, and then remove the plastic cover from the PHS-DL holder (as shown in the Figure 2).

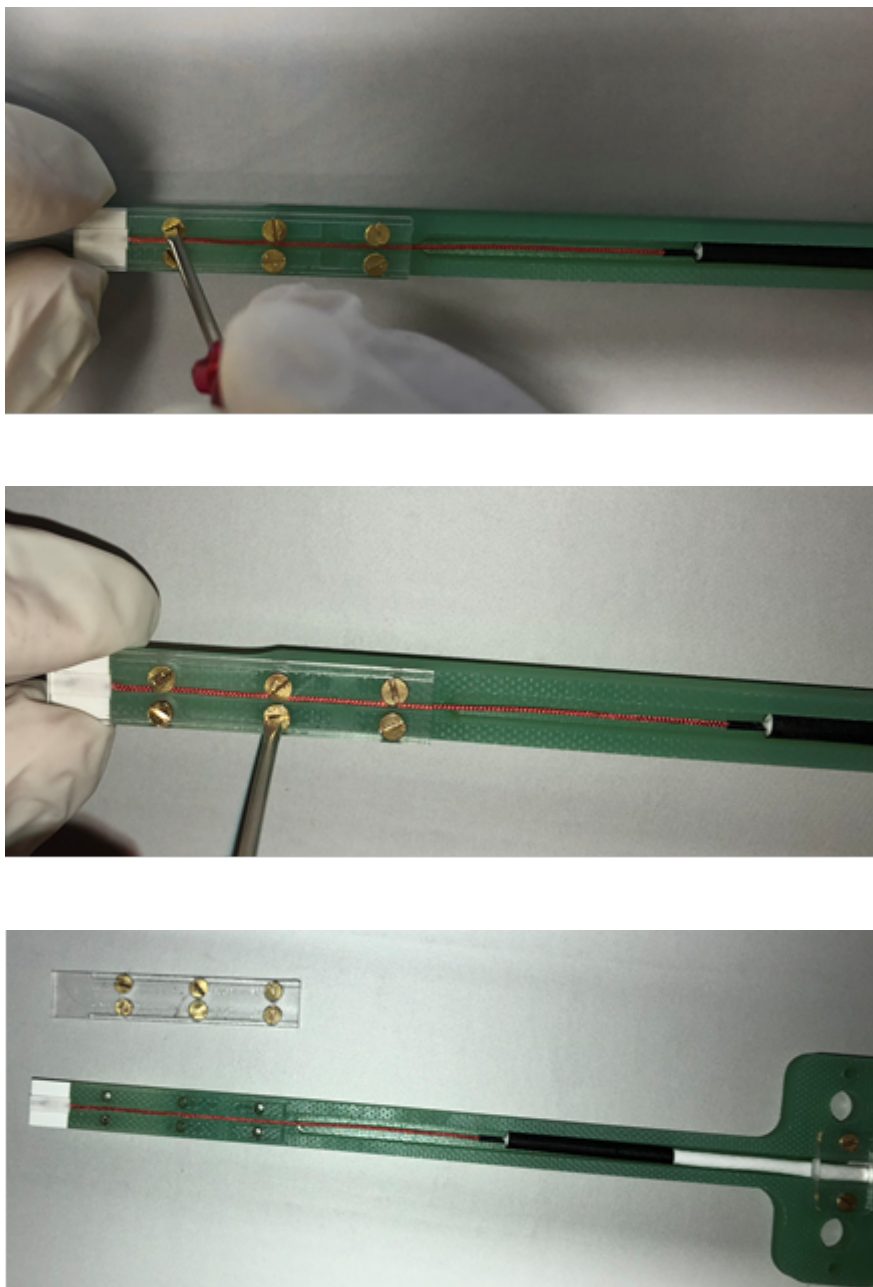


Figure 2.

Step 2: Slightly unscrew the two brass screws from the end plastic that serves for a fixation of the white probe cable (Figure 3), so that the white cable can be now carefully pushed forward the probe side for some 10-15 mm.

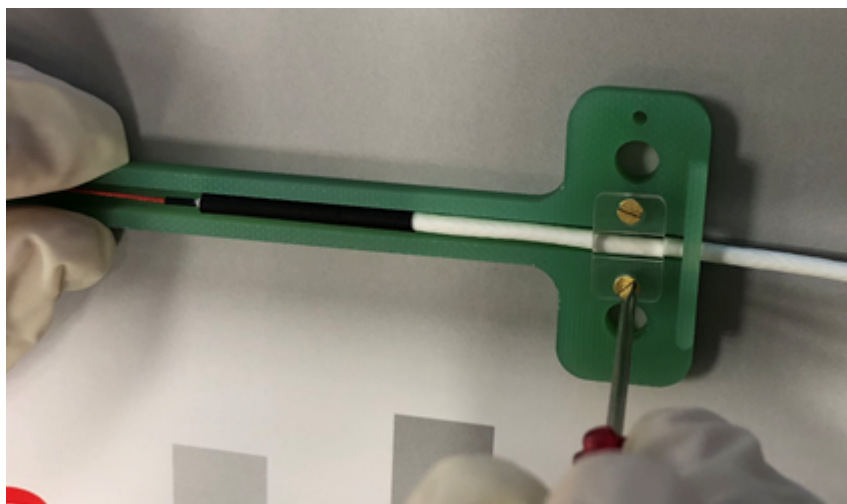


Figure 3.

Step 3: Fix the holder and white cable as shown in Figure 4:

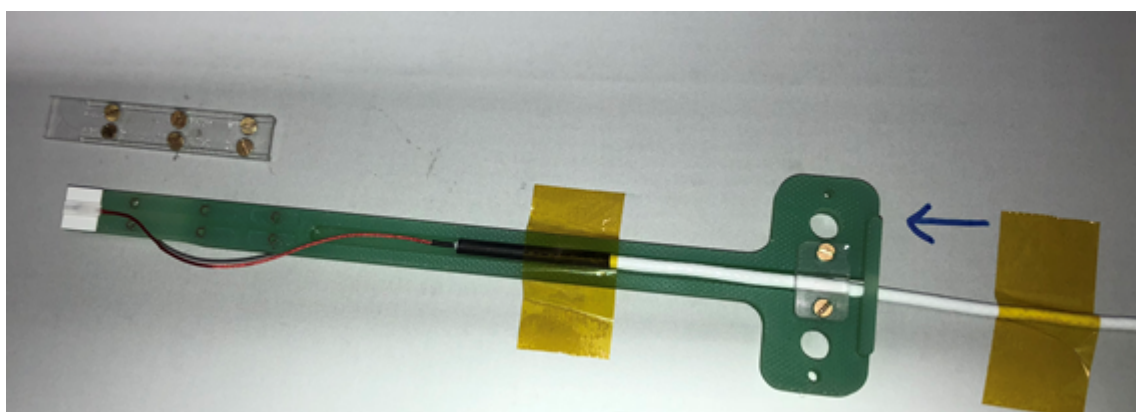


Figure 4.

Step 4: Carefully push the ceramic Hall probe C from one of its corners on the side by applying some non-metal (say plastic or wooden) tip until it starts to slide between the two ceramic plates.

Do this without applying an excessive force and without touching the thin red cable (see Figure 5):

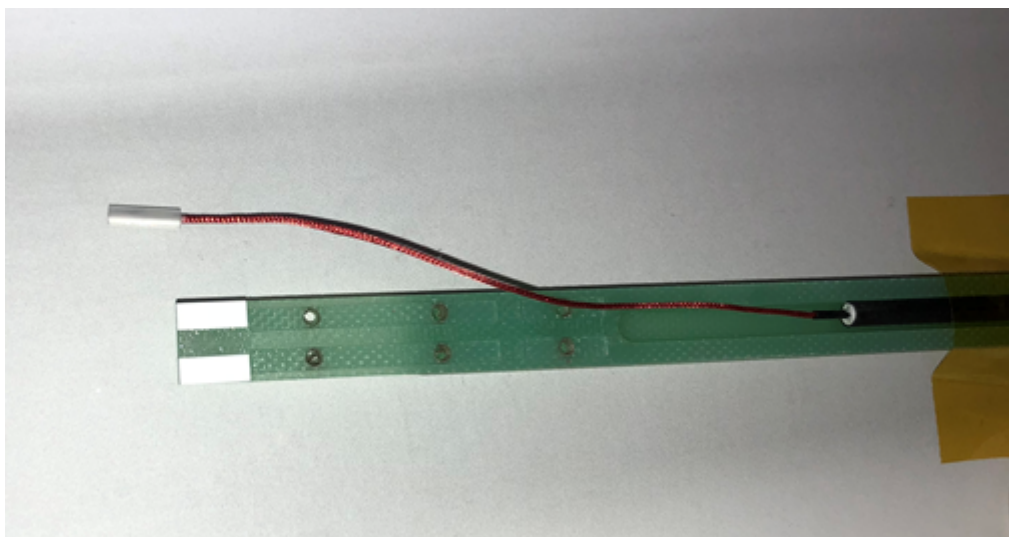
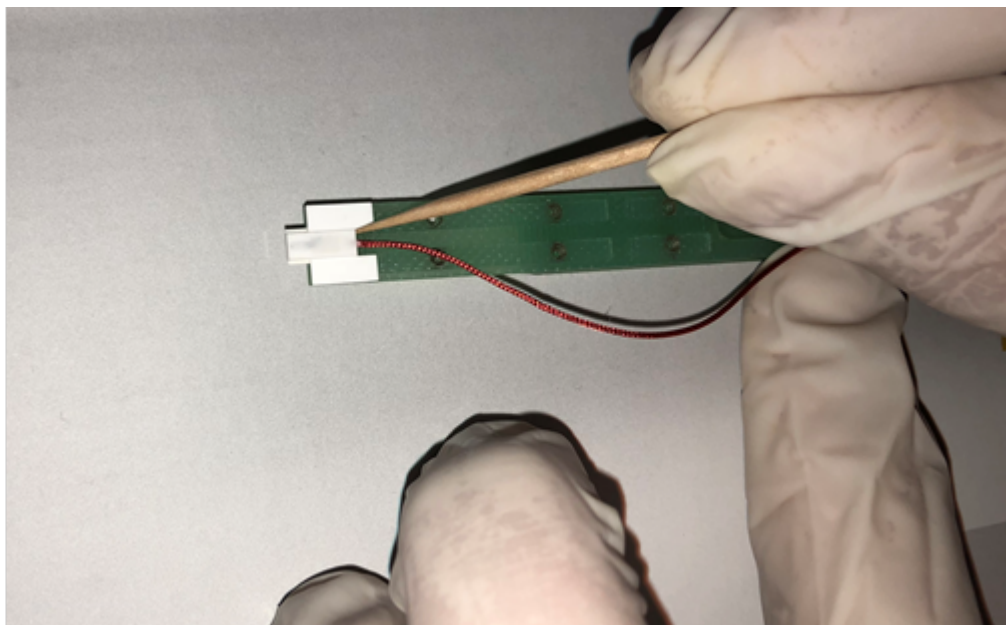


Figure 5.

NOTE: For the assembling procedure, please follow the steps 1 to 4 in a reverse order.