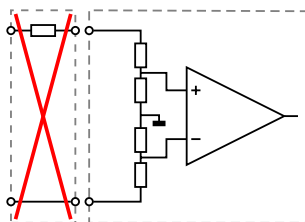


TP-DA10 Differential attenuator

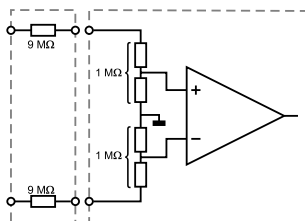


The Differential attenuator TP-DA10 is a differential 1:10 attenuator, specially designed to be used with the Handyscope HS4 DIFF and the Automotive scope ATS5004D.

Due to the differential inputs of these instruments, a standard attenuator or attenuating oscilloscope probe cannot be used without introducing measuring errors, because these are single ended.



Instead a differential attenuator is required.



The Differential attenuator TP-DA10 can simply be placed directly on the input of the instrument and the measuring lead on the other end of the attenuator.

Instructions

When using the TP-DA10 attenuator, the following points have to be taken into consideration:

- Do not connect other cables to the attenuator than the ones that are supplied with the instrument.
- Do not touch the metal parts of the BNC's when the attenuator is connected to the circuit under test, they can carry a dangerous voltage. It will also influence the measurements and create measurement errors.
- Do not connect the outside of the two BNC's of the attenuator to each other as this will short circuit a part of the internal circuit and will create measurement errors.
- Do not connect the outside of the BNC's of two or more attenuators that are connected to different channels of the Handyscope HS4 DIFF or Automotive scope ATS5004D to each other.
- Do not apply excessive mechanical force to the attenuator in any direction (e.g. pulling the cable, using the attenuator as handle to carry the Handyscope HS4 DIFF or Automotive scope ATS5004D, etc.).
- In the Multi Channel software, set the *Probe setting* of the channel(s) with a TP-DA10 connected to **10 x** to get proper values along the axis.

Specifications

Attenuation	10 times differential
Connectors	
Instrument side	female BNC connector
Cable side	male BNC connector
Bandwidth	25 MHz
Impedance	10 MOhm // 15 pF (on an input with 1 MOhm impedance)
Maximum input voltage	300 V
Dimensions	
Length	79 mm
Diameter	19 mm
Weight	30 g



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