

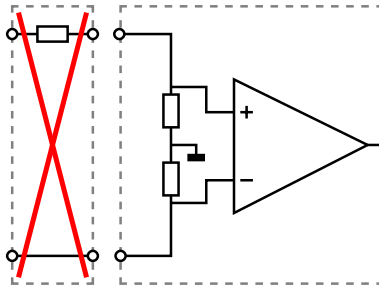
## Differential attenuator TP-DA10



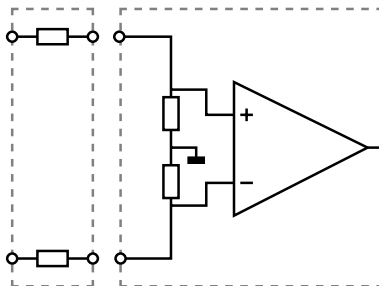
The Differential attenuator TP-DA10 is a differential 1:10 attenuator, specially designed to be used with the:

- Handyscope HS4 DIFF
- Handyscope HS6 DIFF
- Automotive scope ATS5004D
- Automotive scope ATS610004D-XMSG

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 and only have attenuation in one of the two signal paths.



Instead a differential attenuator with attenuation in both signal paths 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 Differential attenuator TP-DA10 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 BNCs 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 BNCs 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 BNCs of two or more attenuators that are connected to different channels of the instrument 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 instrument, etc.).
- In the Multi Channel software, set the **Probe setting** of the channel(s) with a Differential attenuator TP-DA10 connected to **10 x** to get proper values along the axis.

## Specifications

Attenuation	10 times differential
Connectors	
Instrument side	male BNC connector
Cable side	female 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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