

## Measure lead TP-C812A



The Measure lead TP-C812A is a low noise differential measure lead designed to be used with the Handyprobe HP3. This 2 meter long measure lead splits in two individual ends of each 1.2 meter long. The special dual banana plug at one end plugs directly in the Handyprobe HP3. The two other ends each feature a single 4 mm banana plug, on which application specific test points, clamps or probes can be plugged.

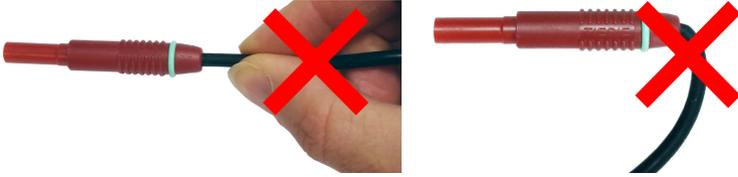
The input of the Handyprobe HP3 is differential, which means that both sides of the input have a high impedance. There is no connection to ground as in conventional oscilloscopes which are used with coax cables. Using a coax cable on the Handyprobe HP3 would result in the Handyprobe HP3 picking up a lot of external interference.

The specially designed Measure lead TP-C812A has a high Common Mode Rejection Ratio (CMRR), it is very insensitive to external interfering signals. The two ends can be placed up to more than two meters apart, while picking up very little interference. With a conventional oscilloscope with a standard probe this is not possible. The maximum distance between the positive side and ground of a standard probe is usually limited to approximately 20 cm. The Measure lead TP-C812A for the Handyprobe HP3 does not have this disadvantage. And external interference is very well suppressed by the special construction of the Measure lead TP-C812A. Measuring between two distant points is now possible.

The Measure lead TP-C812A is very flexible and uses a heat resistant silicone isolation that is also oil resistant. To ensure safety, the banana plugs are shrouded.

## Handling

The Measure lead TP-C812A has a silicone insulation, which is smooth, supple, heat resistant and oil resistant. Due to the special construction of the Measure lead TP-C812A the following points must be observed to prevent damage:



- Never pull the lead, only the plug, to remove the plug
- Do not bend the lead close to the plug
- Do not carry the measuring instrument by a connected measuring lead

Failure to observe these points could result in damage to the Measure lead TP-C812A. This damage is not covered by the warranty, but is considered as usage damage.

## Specifications

Connectors	
Instrument side	dual 4 mm red and black shrouded banana plugs, 19 mm apart
Test point side	red and black 4 mm shrouded banana plugs
Bandwidth	7 MHz
Safety	CAT III, 1000 V, double isolated
Dimensions	
Total length	2000 mm
Length to split	800 mm
Length individual ends	1200 mm
Weight	75 g
Color	black
Certifications and compliances	
CE conformity	yes
RoHS	yes
Accessories	
Color coding rings	5 x 3 rings, various colors



**TiePie engineering**  
Koperslagersstraat 37  
8601 WL Sneek  
The Netherlands

Tel.: +31 515 415 416  
Fax: +31 515 418 819  
E-mail: [sales@tiepie.nl](mailto:sales@tiepie.nl)  
[www.tiepie.com](http://www.tiepie.com)



This information is subject to change without notice.  
Copyright © 2021 TiePie engineering. All rights reserved. Revision 1.4, December, 2021.