TP-C1812B measuring lead

The Measure lead TP-C1812B is a low noise differential measure lead designed to be used with the Handyscope HS4 DIFF and the ATS5004D. This 3 meter long measure lead splits in two individual ends of each 1.2 meter long. The BNC connector at one end plugs directly on the instrument. The two other ends each feature a single 4 mm banana jack, on which application specific test points, clamps or probes can be plugged.
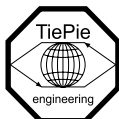
The inputs of the Handyscope HS4 DIFF and the ATS5004D are differential, which means that both sides of the input have a high impedance. There is no connection to ground as in conventional oscilloscopes which are used with coax cables. Using a coax cable on the instrument would result in the instrument picking up a lot of external interference.

The specially designed Measure lead TP-C1812B 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 is then usually limited to approximately 20 cm. And this 20 cm is very susceptible to interference.

The Measure lead TP-C1812B is very flexible and uses a heat resistant silicone isolation that is also oil resistant. To ensure safety, the banana jacks are shrouded.

Specifications

Connectors		
	Instrument side	isolated female BNC connector
	Test point side	red and black 4 mm shrouded banana jacks
Bandwidth		7 MHz
Safety		CAT III, 1000 V, double isolated
Dimensions		
	Total length	3000 mm
	Length to split	1800 mm
	Length individual ends	1200 mm
Weight		100 g
Color		black
Certifications and compliances		
	CE conformity	yes
	RoHS	yes
Accessories		
	Color coding rings	5 x 3 rings, various colors