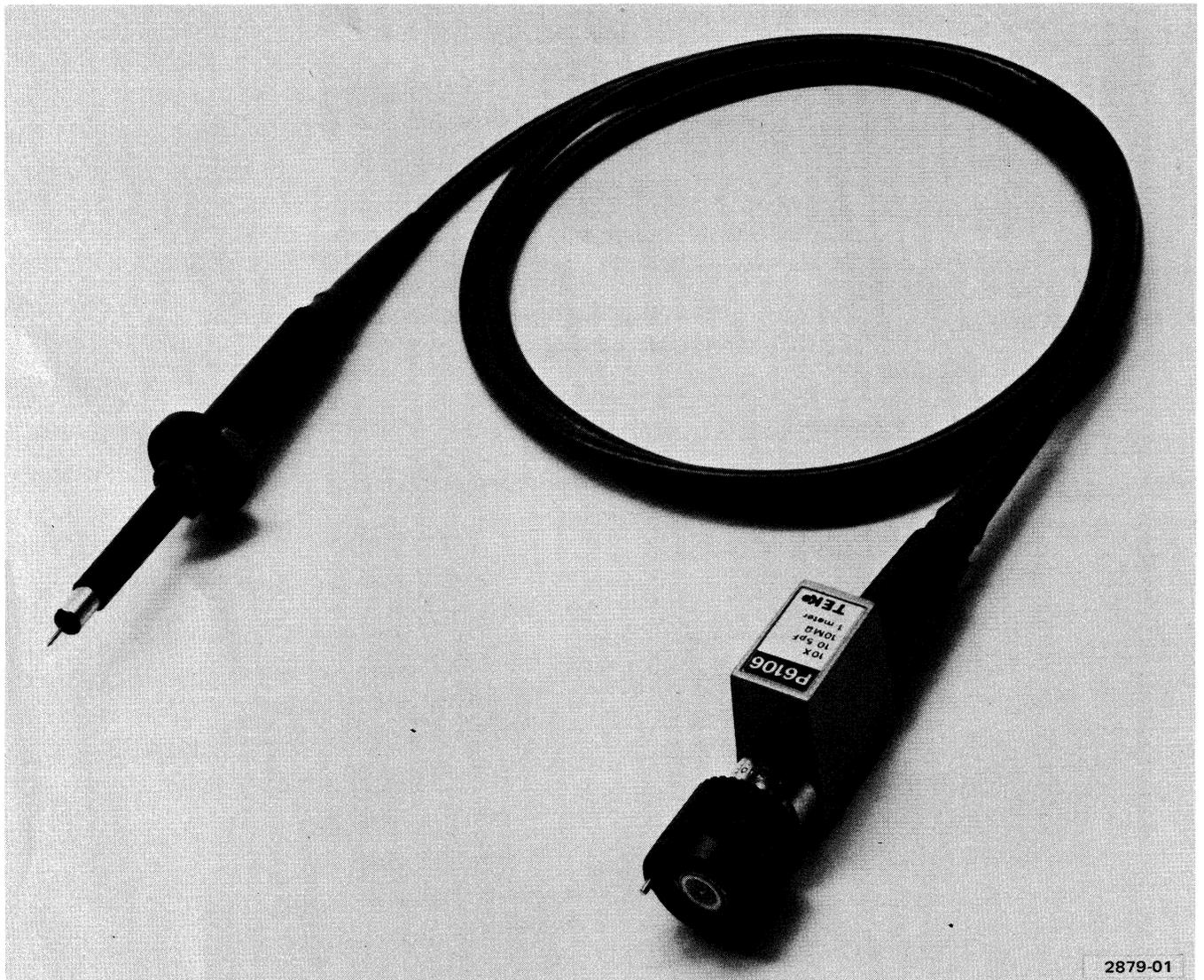




# Instructions

## P6106 Passive Probe

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# P6106 PASSIVE PROBE

## DESCRIPTION

The P6106 Probe is a miniature, 10X, passive probe for use with dc to 350 MHz oscilloscopes with an input capacitance range of 15-24 pF and an input resistance of 1 M $\Omega$ .

A ground reference push button on the probe head permits the user to obtain a ground reference or to determine a trace in a multitrace display. A coding pin on the bnc output connector activates the volts/div readout encoding of the oscilloscope to include the 10X attenuation of the probe.

### **WARNING**

*To avoid shock, do not disassemble the probe while it is connected to a signal or voltage source. Disassembly is a service operation only. Refer servicing to qualified service personnel.*

The compensating box houses an adjustable network that provides optimum transient response when used with oscilloscopes having bandwidths up to 350 MHz. The probe can be low-frequency compensated by adjusting the variable capacitor through the hole in the compensating box housing. Modular construction of the probe simplifies repairs, as both probe head and compensating box can be unplugged from the cable assembly.

The P6106 Probe is available in three lengths, and is identified by the colored strain relief at each end of the cable: blue, 1 meter (3.3 feet); yellow, 2 meters (6.6 feet); and red, 3 meters (9.9 feet).