

DESCRIPTION

The HP 11881A fits over the tip of the HP 85024A active probe and provides the following changes to HP 85024A operating parameters:

- Increases (by a factor of 10) the input voltage at which 1 dB compression occurs.
- Decreases input capacitance without changing input resistance, thereby decreasing capacitive loading.

Two or more HP 11881 dividers may be cascaded to provide higher divide ratios.

OPERATING CHARACTERISTICS

Divider Ratio:	10:1
Input Capacitance:	Typically <0.6 pF
Input Resistance:	1M Ω
Input Voltage for 1 dB Compression:	3.0V*
Maximum Safe Input Voltage:	$\pm 200V^*$
Frequency Range:	Same as HP 85024A active probe

*when used with the HP 85024A active probe.

INSPECTION

Make sure the tip is not bent or discolored. Periodically inspect the barrel of the probe receptacle, making sure it is clean and free of grit. Clean the receptacle with compressed air or Freon.

When cascading 10:1 dividers, periodically inspect and clean the exterior of the HP 11881A.

REPLACEABLE PARTS

If the tip is discolored, bent, or broken, it must be replaced. Follow the procedure provided in the HP 85024A active probe operating and service manual.

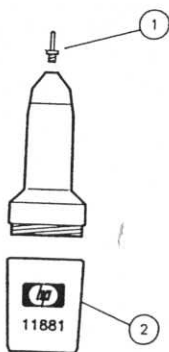


Figure 1. HP 11881A Exploded View

Item	Description	HP Part Number	CD
1	Short probe tip	85024-60015	5
	Long probe tip	85024-60016	6
2	Guide	11881-20007	3