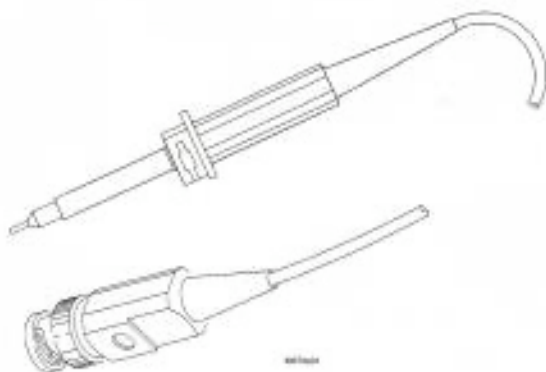


# HP 10070B, HP 10071B, HP 10073B, and HP 10074B Oscilloscope Probes




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## Characteristics

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<b>Operating Temperature</b>	-10 °C to 55 °C
<b>Humidity</b>	to 90%
<b>Shock</b>	400g 1/2 sine wave on tip end 50g 1/2 sine wave on BNC end
<b>Propagation Delay</b>	≈7 ns (1.5 m probe cable length)
<b>Altitude</b>	4600 m (indoor use only)

	<b>HP 10070B</b>	<b>HP 10071B</b>	<b>HP 10073B</b>	<b>HP 10074B</b>
<b>System Bandwidth</b>	20 MHz	150 MHz	500 MHz	150 MHz
<b>System Risettime (Calculated)</b>	<17.5 ns	<2.33 ns	<700 ps	<2.33 ns
<b>Attenuation Ratio</b>	1:1	10:1	10:1	10:1
<b>Input Resistance</b> (when terminated into 1 MΩ)	1 MΩ	10 MΩ	2.2 MΩ	10 MΩ
<b>Input Capacitance</b>	≈70 pF	≈15 pF	≈12 pF	≈15 pF
<b>Maximum Input</b> (dc + peak ac)	500 V CAT I (mains isolated) 300 V CAT II (post receptacle mains)			
<b>Compensation Range</b>	None	9 – 17 pF	6–15 pF	9 – 17 pF
<b>Probe Readout</b>	No	No	Yes	Yes

**Cleaning** If your probe requires cleaning, disconnect it from the instrument and clean it with mild detergent and water. Make sure the probe is completely dry before reconnecting it to the instrument.