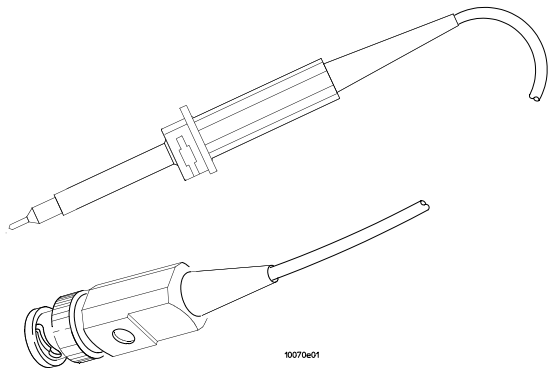


HP 10070B, HP 10071B, HP 10073B, and HP 10074B Oscilloscope Probes

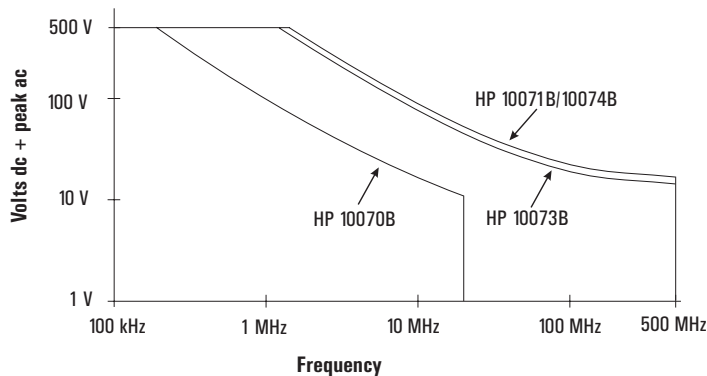


Characteristics

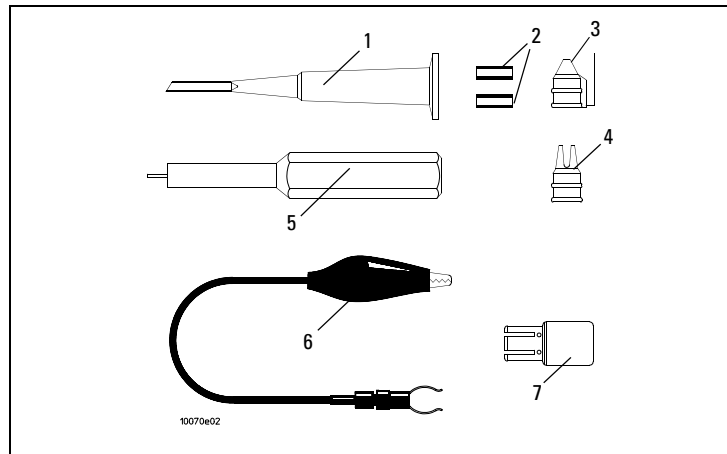
| | |
|-----------------------|---|
| Operating Temperature | −10 °C to 55 °C |
| Humidity | to 90% |
| Shock | 400g 1/2 sine wave on tip end 50g 1/2 sine wave on BNC end |
| Propagation Delay | ≈7 ns (1.5 m probe cable length) |
| Altitude | 4600 m (indoor use only) |

| | HP 10070B | HP 10071B | HP 10073B | HP 10074B |
|---|--|-----------|-----------|-----------|
| System Bandwidth | 20 MHz | 150 MHz | 500 MHz | 150 MHz |
| System Risetime (Calculated) | <17.5 ns | <2.33 ns | <700 ps | <2.33 ns |
| Attenuation Ratio | 1:1 | 10:1 | 10:1 | 10:1 |
| Input Resistance (when terminated into 1 MΩ) | 1 MΩ | 10 MΩ | 2.2 MΩ | 10 MΩ |
| Input Capacitance | ≈70 pF | ≈15 pF | ≈12 pF | ≈15 pF |
| Maximum Input (dc + peak ac) | 500 V CAT I (mains isolated) 300 V CAT II (post receptacle mains) | | | |
| Compensation Range | None | 9 – 17 pF | 6–15 pF | 9 – 17 pF |
| Probe Readout | 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.



 **Probe Derating Curve (CAT I)**



HP 5081-7690 Accessory Kit

| Item | Description | Qty |
|------|---|--------|
| 1 | Retractable Hook Tip | 1 |
| 2 | Orange, white, blue, and green identification tags | 2 each |
| 3 | Ground Bayonet | 1 |
| 4 | IC Tip | 1 |
| 5 | Adjustment Tool | 1 |
| 6 | Ground Lead (Black) | 1 |
| 7 | BNC Adapter (not part of kit, order separately HP Part Number 5081-7705) | — |



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