



Agilent 1144A

800 MHz Active Probe

Data Sheet

Product Specifications

- Bandwidth: Greater than or equal to 800 MHz (degrades approximately 1/2% per °C at temperatures above 35°C)
- Risetime: Less than or equal to 440 ps (calculated via $t_r = 0.35/\text{bandwidth}$; degrades approximately 1/2% per °C at temperatures above 35°C)
- Attenuation: 10:1 $\pm 2\%$ (when connected to an instrument input of 50 ohm, $\pm 0.5\%$)
- Input resistance: 1 M Ω $\pm 5\%$
- Maximum input voltage: ± 40 V (dc +peak ac)
- Input capacitance: 2 pF (typical)
- Power requirements: dc ± 12 V to ± 15 V $\pm 5\%$ (at approximately 75 mA each supply)
- Weight:
 - Net: approximately 180 g (6.5 oz)
 - Probe body: 35 g (~1.25 oz)
 - Shipping: approximately 0.8 kg (1.75 lb)
- Temperature
 - Operating: 0 to 55°C (32 to 131°F)
 - Non-Operating: -40 to +70°C (-40 to +158°F)
- Humidity
 - Operating: up to 95% relative humidity (non-condensing) at 40°C (104°F)
 - Non-Operating: up to 90% relative humidity at 65°C (149°F)
- Altitude
 - Operating: up to 4,600 meters (15,000 ft)
 - Non-Operating: up to 15,300 meters (50,000 ft)

