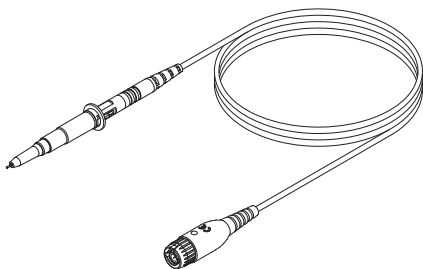



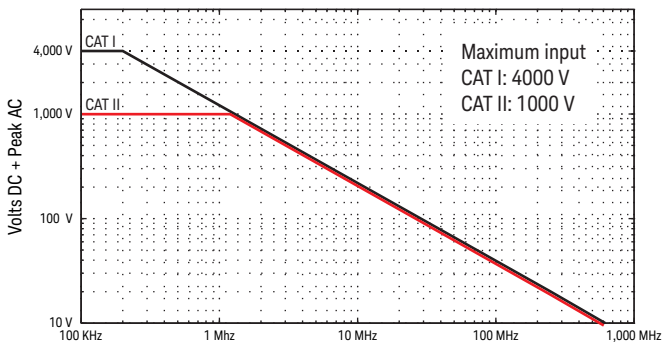
# Keysight 10076C High Voltage Probe



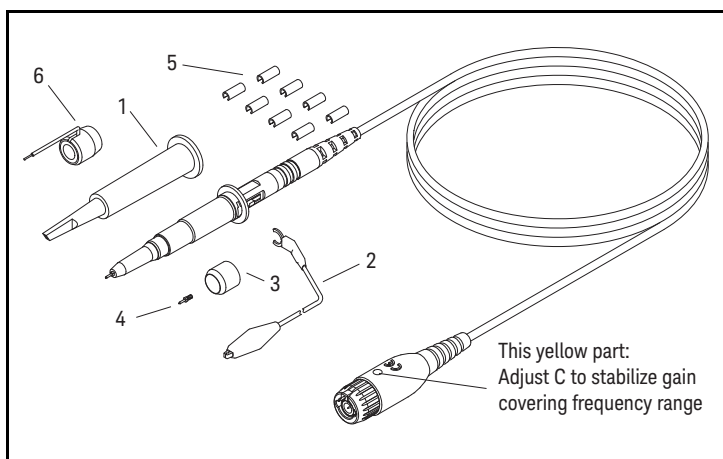
## Characteristics

<b>System Bandwidth</b>	a. 500 MHz when used with 500 MHz bandwidth oscilloscope b. Oscilloscope bandwidth when used with oscilloscope with $\leq 150$ MHz bandwidth
<b>System Risetime (Calculated)</b>	a. $< 0.7$ n sec when used with 500 MHz oscilloscope b. Oscilloscope risetime when used with oscilloscope with $\leq 150$ MHz bandwidth
<b>Attenuation Ratio</b>	100:1
<b>Input Resistance</b> (when terminated into $1\text{ M}\Omega$ )	$66.7\text{ M}\Omega$
<b>Input Capacitance</b>	$\approx 3\text{ pF}$
<b>Maximum Input</b> (dc + ac peak) pollution degree 2	 4000 V CAT I (mains isolated) 1000 V CAT II (post receptacle mains) DO NOT connect to a circuit above these maximums
<b>Rated transient overvoltage (Ut)</b>	0 V
<b>Compensation Range</b>	6 - 18 pF
<b>Probe Readout</b>	Yes
<b>Operating Temperature</b>	$0^\circ$ to $50^\circ\text{C}$
<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>	$\approx 8$ ns (1.8 m probe cable length)
<b>Altitude</b>	3000 m (indoor use only)

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 (frequency limits measurable voltage)**



**Included Accessories**

Item	Description	Qty
1	Retractable Hook Tip Adapter	1
2	Ground Lead	1
3	Insulation Cap	1
4	Measuring Pin	2
5	Identification Tags	8
6	Spring Ground Tip (order N2789A)	1

NOTE: Items 1-5 are included in the 10077A replacement accessory kit. Order N2789A for a replacement spring ground tip (qty 1).

# Instrument Markings



ISM GRP 1-A denotes the instrument is an Industrial Scientific and Medical Group 1 Class A product. ICES/NMB-001 indicates product compliance with the Canadian Interference-Causing Equipment Standard.



This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/ electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as a "Monitoring and Control instrumentation" product. Do not dispose in domestic household. To return unwanted products, contact your local Keysight office, or refer to [www.keysight.com](http://www.keysight.com) for more information.

---

Keysight Technologies  
1900 Garden of the Gods Road  
Colorado Springs, CO 80907



Part Number 10076-92004, July 2014