

protech

CRO Probe Cable



User Manual

QC1902

OVERVIEW:

The QC1902 probe is a passive, low-impedance attenuation probe.

The probe has been designed and calibrated for use on instruments having an input impedance of $1\text{M}\Omega$ paralleled by 20pF .

However, it may be recalibrated for use on instruments having an input capacitance of 15 to 40pF .

The probe incorporates a two position (1X, 10X) slide switch in the compensating network and cable length of 1.2 meters.

ELECTRICAL CHARACTERISTICS:

Characteristic:	Performance Requirements:	
Operating Temperature:	$-15^{\circ}\text{C} - 70^{\circ}\text{C}$	
Attenuation:	X1	X10
Input Capacity:	X1: $85\text{pF}\sim 115\text{pF}$	X10: $18.5\text{pF}\sim 22.5\text{pF}$
Oscilloscope Input capacity:	$15\text{pF}\sim 40\text{pF}$	
Input Resistance	X1: $1\text{M}\Omega\pm 2\%$	X10: $10\text{M}\Omega\pm 2\%$
Bandwidth:	X1: DC-6MHz	X10: DC-80MHz
Max Input Voltage:	Conformed IEC-61010 CAT II	
	X1: 200V DC+Peak AC	X10: 600V DC+Peak A

PHYSICAL CHARACTERISTICS:

Characteristic:	Performance Requirements:
Probe Body:	95mm
Coaxial Cable:	1200mm
Weight:	55g(max)

STANDARD ACCESSORIES:

1. Probe Tip 1pcs
2. Ground Lead 1pcs
3. Marker Ring 2pcs
4. Tip Locating Sleeve 1pcs
5. Adjustment Tool 1pcs

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