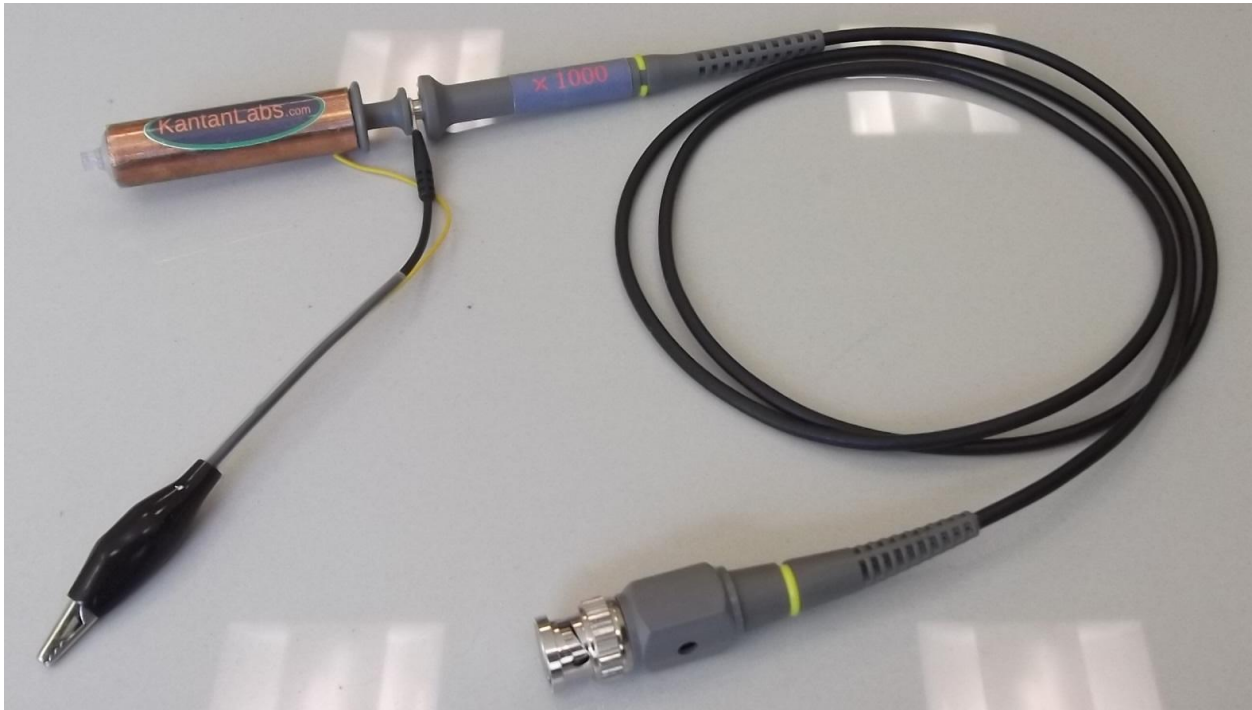


## KTL-PR1 0.5pF 10kV 20MHz ×1000 AC Probe



### Product Overview

The KTL-PR1 probe is an innovative passive RF probe designed for non-intrusive measurements of high-voltage RF signal. An internal capacitive divider made of high-quality ceramic capacitors with extremely small ESR values provides extremely small input capacitance values with negligible associated losses.

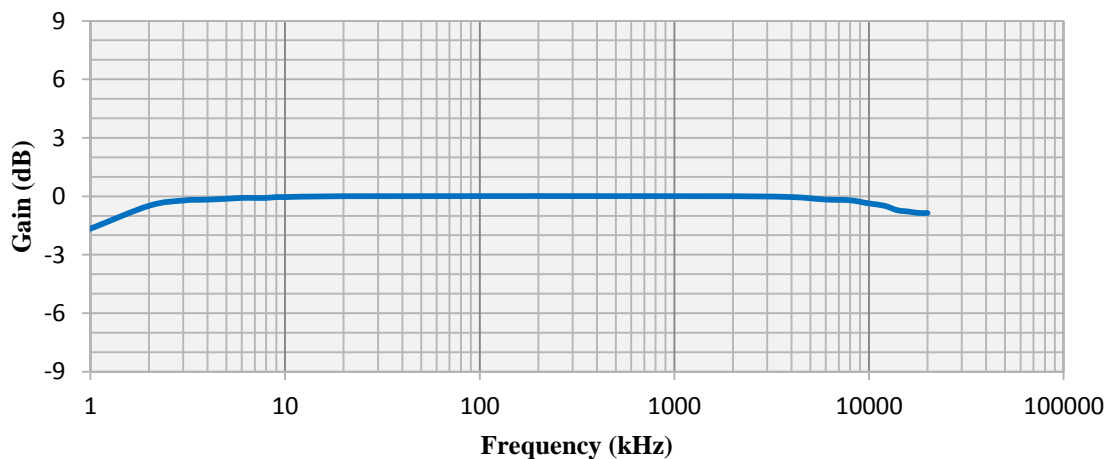
With a flat frequency response from about 1 kHz up to 20MHz (-1dB) and low noise, KTL-PR1 is suitable for accurate measurements of RF high-impedance high-voltage signals and especially to investigate high-Q circuits.

## Typical performances

<u>Frequency response:</u>	from 1kHz up to more than 20 MHz
<u>Maximum input voltage:</u>	10kV <sub>pp</sub>
<u>Down ratio:</u>	x1000
<u>Internal capacitance:</u>	>0.25pF <sup>1</sup>
<u>Total input capacitance:</u>	<1pF typically 0.5pF or less <sup>2</sup> .
<u>Loss angle of input cap:</u>	tgδ < 10 <sup>-4</sup>

## Typical frequency response curve

**KTL-PR1 Typical frequency response**



**NOTICE:** Specifications are subjected to change without notice. Contact KantanLabs for the latest specification. All Statements, information and data given herein are believed to be accurate and reliable.

<sup>1</sup> 0.25pF is the build-in internal value but some stray capacitance to ground also exists

<sup>2</sup> Total input capacitance depends on the stray capacitance between the DUT and the probe ground. The best arrangement is to set the probe at right angle with the measured component (connecting it to a protuberance is even better).