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Picoprobe®

BY GGB INDUSTRIES INC.



(Can be mounted on any micropositioner for use with any probing system.)

Picoprobe®Model 7 was designed as a companion probe to Picoprobe® Models 12C and 18C for driving integrated circuit lines so the Models 12C or 18C can be used to measure the response of adjacent nodes. The Model 7 consists of a flexible six foot, 50 ohm coaxial cable accurately terminated to 50 ohms in order to avoid undesirable reflections. A special miniature connector receives replacement coaxial probe tips that provide a shielded environment to within three millimeters of the fine tungsten probe point, thus minimizing capacitive coupling to other parts of the circuit. The replaceable coaxial probe tips are offered in various point sizes and can also be bent to any shape in order to accommodate a variety of probing geometries.

Picoprobe®Model 7A, an unterminated version, can be used for capacitance and resistance measurements or in low to medium speed signal applications where a 50 ohm termination is not required. A flexible coaxial cable of six feet in length is standard on the Model 7A; however, when used for capacitance measurements GGB Industries, Inc., recommends using a shorter three foot cable. If the shorter coaxial cable length is desired for capacitance measurements, please specify it as Model 7A-3ft when ordering.

HIGH TEMPERATURE OPTION

For elevated temperature applications up to 200 degrees C, GGB Industries, Inc. offers Picoprobe® Models 7-HT and 7A-HT. The Models 7-HT and 7A-HT use special temperature resistant probe tips that provide accurate test results under such extreme conditions.

MODEL 7 & MODEL 7A REPLACEMENT TIPS

Part #	Tungsten Probing Wire Shaft Diameter	Point Radius
7-10	10 micron	<0.2 micron
7-22	22 micron	<1.0 micron
7-35	35 micron	<2.0 micron
7-60	60 micron	<3.0 micron
7-125	125 micron	<5.0 micron
7-175	175 micron	<5.0 micron

* Specify high temperature tips by adding an "HT" suffix to the Model 7 & 7A replacement tip part number.

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