



Precision Sonics
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Model UTR-1
 Ultrasonic Plug-In

Price \$ 585.00*
 F.O.B. Richland, Washington

The Precision Sonics Model UTR-1 Ultrasonic Plug-In converts any Tektronix Oscilloscope which accepts a letter series plug-in, into a general purpose ultrasonic instrument. It provides a spike transmit pulse for

the ultrasonic transducer and also amplifies the ultrasonic signals received by the transducer. These received signals are then viewed on the cathode ray tube. By utilizing the calibrated time base and broadband frequency response of the oscilloscope, these return signals are viewed in their true form. None of the information is lost and maximum resolution is obtained.

General Specifications

- May be used in any Tektronix Oscilloscope which accepts a letter series plug-in.
- Operates with ceramic, lithium sulphate or quartz ultrasonic transducers, it is, however, best suited for ceramic transducers.
- May be operated with one or two transducers for transmitting and receiving, or it may be used strictly as a receiver.
- Pulsar provides spike voltage of 150 volts maximum amplitude and 30 nanoseconds rise time.
- Receiver provides variable bandwidth with the bandwidth switch.

Lo position	3db flat	10 to 12 mc	usable	5 to 20 mc
Med position	3db flat	8 to 12 mc	usable	2.25 to 20 mc
Hi position	3db flat	1 to 8 mc	usable	0.5 to 20 mc
- Amplifier gain variable over four decades.
- Repetition rate variable from 1 kc to 5 kc (may be shut off).
- Transmit power adjusts for maximum penetration or resolution.
- Damping Control damps reflections in the transducer coaxial cable.

Hi damping	for 47 ohm cable
Med damping	for 93 ohm cable
Lo damping	allows ringing

*Price subject to change without notice