

Ultrasonic Pulsar Receiver APR-20

Salient Features:

- High voltage broadband pulser for superior signal penetration
- Low-noise, wide dynamic range receiver for accurate signal capture
- Adjustable gain, damping, and pulse repetition controls
- Compatible with longitudinal and shear wave transducers
- Ideal for NDT, academic, and R&D applications discontinuities



The Microprocessor Based Ultrasonic Pulsar Receiver Model APR-20 is a compact, high-performance instrument designed for precise flaw detection, material characterization, and laboratory research. Equipped with a powerful pulser and low-noise broadband receiver, it delivers exceptional signal clarity and repeatability for a wide range of ultrasonic transducers.

APR-20 is compatible with other Ultrasonic Instruments and allows great flexibility when configuring systems for high frequency application or for attenuative materials.

The front panel keypad allows the operator to choose parameters such as Gain, Damping, Mode, Energy etc precisely which are shown on the TFT display. BNC connectors are provided at the back for output and input connections.

Technical Specifications:

Pulser	Pulser Type	Negative Spike Pulse
	Pulse Amplitude	100V & 450V (Hi/Low selectable)
	Damping	50 Ω & 1,000Ω
Receiver	Operating Mode	Pulse echo, Through transmission and Dual Crystal
	PRF	500HZ to 1000HZ
	Bandwidth	0.5 to 20MHZ
	Gain	0 to 110dB in 1dB step
	Output Impedance	50 Ω
	Output Voltage	±2.5V into 50 Ω
Unit Specifications	Power	230V 50Hz AC
	Dimensions (L x W x H)	244 mm x 230 mm x 127 mm
	Weight	2.3 Kg
	Operating Temperature	-45°C to 85°C

N30 Signal



2 MHz Signal



4 MHz Signal



20 MHz Signal



© Copyright 2026 by Arora Technologies (P) Limited. Specifications are subjected to change without notice.