

# Ultrasonic Pulsar Receiver APR-20

## Applications & Advantages:

- Probe/Transducer characterization in research & development
- Non-destructive material testing
- It has other uses, such as thickness measurement, In addition to flaw detection
- It is highly accurate in determining reflector position and estimating size and shape
- It is sensitive to both surface and subsurface discontinuities



The Microprocessor Based Ultrasonic Pulsar Receiver Model 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 various parameters for precise settings. TFT display allows operator to view all parameters. Gain, Damping, Mode, Energy etc. provided on front panel. RF Output available through BNC Connector.

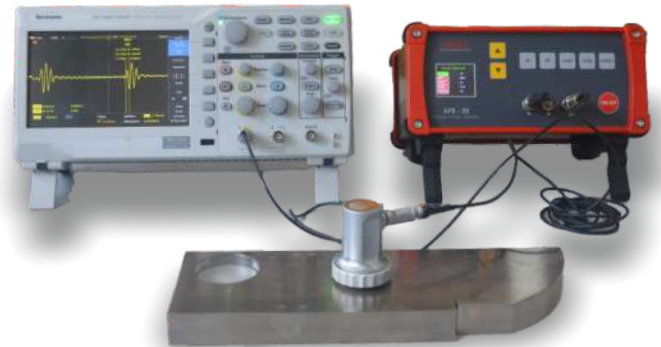
**Technical Specifications:**

<b>Pulser</b>	Pulser Type	Negative Spike Pulse
	Pulse Amplitude	100V-450V (Hi/Lo selectable)
	Pulser Energy	Selectable in 2 steps
	Damping	50 Ω & 1,000Ω
<b>Receiver</b>	Operating Mode	Pulse-echo or through transmission
	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
<b>Miscellaneous</b>	Power	16V 2A DC Power Supply Adapter
	Dimensions	244 W x 114 H x 170 D (mm)
	Weight	With Adapter 1.7 Kg (3.76 lbs) W/O Adapter 1.5 Kg (3.32 lbs)
	Operating Temperature	-45°C to 85°C

**N30 Signal**



**2 MHZ Signal**



**4 MHZ Signal**



**20 MHZ Signal**



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