

MKPR-1025 Pulser/Receiver System



MKPR-1025 is a superb ultrasound pulser/receiver system that covers wide voltage ranges and generates clean RF waveform.

MKCNDT has capability of conducting all involved engineering works including circuitry engineering, PCB artwork, application / firmware programming and final production assembling work. With this engineering oriented infrastructure, system customizations are done easily for the adapted specifications and functions required by end-users.

MKPR-1025 can be used as a stand alone pulser/receiver system while it can be also used for analytical purpose or factory automation with its optional DSP unit. With optional DSP unit, collected waveforms are transferred to laptop or industrial computers for monitoring and analytical purposes. Multi-channel type is best for factory automation application. At this moment, present instrument can drive 50MHz transducer with good quality RF waveform. 100MHz type is under development.

MKCNDT also develops application software for the customers' research and laboratory work.

Features

- Generates superb waveform over the wide range of frequency.
- Wide range of gain control.
- Optional DSP unit transfers waveforms to computer.
- Collected waveforms are analyzed through the provided software.
- Sturdy aluminum housing.

MKPR-1025 Pulser/Receiver System

Includes

- MKPR-1025 main body
- Power cord
- DSP unit(optional)
- Application software(optional)
- User manual

Specifications

- Pulse type: Negative Spike Pulse & Tone burst
- Pulse Amplitude: -590 to -800V into 50 Ω
- Pulse Energy: Selectable in 4 steps
- Damping: 0-10k Ω (pulse echo mode)
- Pulse Repetition Rate: Internal; 15Hz-5kHz
- Gain: 0 to 78dB in 2dB steps
- Receiver bandwidth: 0.01-25MHz
- Output Voltage: ± 5 V max into 50 Ω
- Filter: HPF, LPF, selectable in 6 steps
- Dimension: 245 x 300 x 95 mm
- Weight: 4.35 kg



RF Output Waveform



Application View



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