

Ultra high power & Multi-waves

Ultrasonic Pulser & Receiver



JPR-10CN



JPR-600C



JPR-1800C



JPR-10C-8CH



JPR-50SD



JPR-10A



Portable Pulser & Receiver



Multiplexer



Pre-amplifier

Ultra high power & Multi wave Ultrasonic Pulser & Receiver

■ Features

- Output pulse type : Square pulse / Square burst / Square chirp / Spike pulse
- Frequency : 30KHz ~ 25MHz
- Wave number : 1 ~ 300
- Output pulse voltage : 10V ~ 1800V
- Control : Change default settings, Acquiring & saving waveform on PC

※The above specifications differ with each model.



JPR-600C

■ Models

Model	Feature
JPR-600C	High power (Standard)
JPR-10CN	High power (Basic)
JPR-1800C	High voltage
JPR-10A	Analog pulser
JPR-50P	High frequency
JPR-50SD	High frequency (Compact)
JPR-10C-4CH	Multi-channel (4 CH)
JPR-10C-8CH	Multi-channel (8 CH)

※Please contact us for detailed specifications.

- Each product can be remodeled into portable type.
(Stored in specially designed case, and includes Control PC as an option.)
- Multi-channel pulser supports channel numbers apart from those listed in the table.



JPR-50SD



Portable
Pulser & Receiver



Multi-channel
Pulser & Receiver

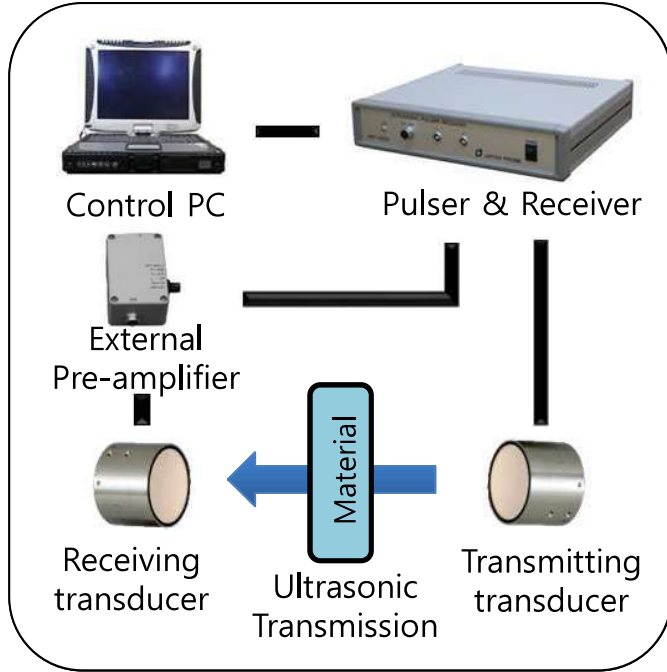
Wide Range of Model Variations !

Easy Operation of Frequency/ Wave Number/ Output Voltage by PC !

Ideal for Flaw Detection & Measurement, R&D & In-line !

Application

- Non-Contact Air Coupled Ultrasonic testing



The high output of the Pulsar ▪ Receiver realizes ultrasonic transmission through the air, which was previously impossible due to large attenuation.

Allowing to realize inspection without contact and wetting them with any couplant.



Non-Contact Air coupled Ultrasonic Testing system (NAUT21)

- Nonlinear detection
- Flow rate measurement
- Guided wave detection (Plate, Pipe, Rail)
- EMAT
- Concrete detection
- Testing & detection of high damping materials
- Ultrasonic research / Development / Learning materials, etc.

Peripherals

- External Pre-amplifier



PR-60BP

(Support multiple channels)

- Multiplexer (16 ~ 128 CH)



MUX-16D

Connector:

LEMO(Large)/BNC



MUX-64D

Connector:

Hypertronics/ITT Canon

- Also, the following products are available.

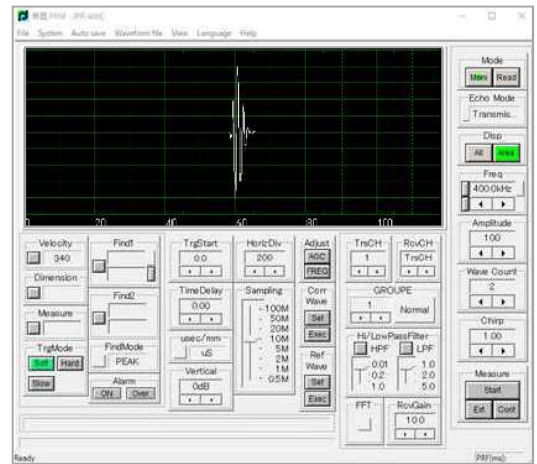
- Pulse generators
- Batteries / chargers
- Sine wave adapters, etc.

※ Please contact us for detailed specifications of peripherals and customization.

■ Software

- JP Original Software is a standard accessory
Software OS environments (OS) : Windows7 / 10 / 11
- Device control "DLL" is provided as an option
Using "DLL", allows the user for software development.
- DLL : Software below are available.
LabVIEW / MATLAB / Python / VB / VC
- Main Functions
FFT, FFT Filter, Sound velocity/distance calculation,
Waveform position detection, Waveform correlation,
Averaging, Waveform saving/reading, Waveform
data text conversion, Automatic saving of waveform

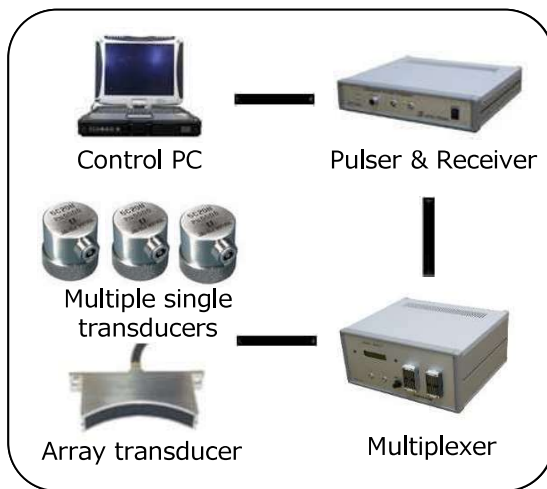
Welcome customized software development.
Please feel free to consult us.



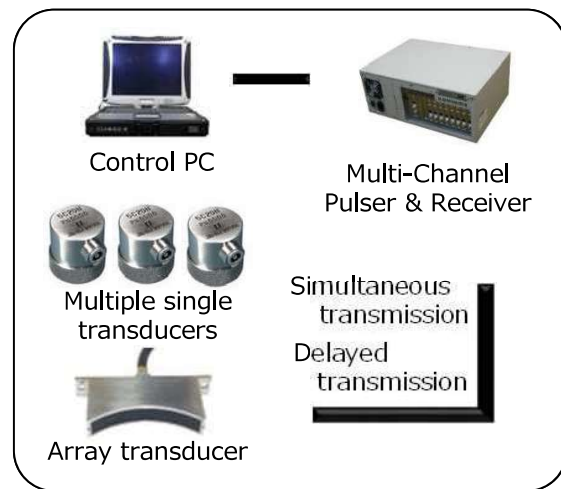
JP Original Software

■ Example of System Construction

○ Multiplexer



○ Multi-Channel Pulser & Receiver



Realizes high-precision measurement by controlling multiple channels at the same time using system incorporated Pulser & Receiver.

In addition to this, it can be configured as a system to support various measurements.
Please feel free to contact us.

Request of Rental ! Please contact us via website.

