

RP - "2" SERIES REMOTE PULSER SPECIFICATIONS

Selecting the best remote pulser for your application is straightforward. Determine which pulser is appropriate for your transducer frequency. In some cases there will be more than one choice. Select the pulser whose performance characteristics (Pulser Fall Time, Amplitude, Width, or Energy) best match your needs.

Remote Pulsers for use with the DPR500 Dual Pulser/Receiver

	RP-U2	RP-H2	RP-L2
Pulse Fall Time	<1.1 ns	<2.6 ns	<8.0 ns
Pulse Width (FWHM)	<1.4 ns	<6.5 ns	<125 ns
Maximum Pulse Amplitude	-230V	-185V	-155V
PRF Range	0 – 20 kHz	0 – 20 kHz (low energy) 0 – 10 kHz (high energy)	0 – 5 kHz
Pulse Energy Range	3 – 8 μ Joules	3 – 12 μ Joules	3 – 316 μ Joules
Recommended Transducer Frequency Range	>100 MHz	40 – 165 MHz	1 – 65 MHz
Energy Settings	High	High and Low	High and Low
Damping	17, 21, 50, 100 Ω	25, 33, 50, 100 Ω	34, 44, 104, 330 Ω
Pulser Voltage	Not Applicable	User Selectable	User Selectable
Pulse Amplitude	High or Low	Not Applicable	Not Applicable
Transmission Mode	Pulse-Echo	Pulse-Echo and Through	Pulse-Echo and Through
Dimensions	3.2" L x 2" W x 1.14" H	3.2" L x 2" W x 1.14" H	3.2" L x 2" W x 1.5" H
Connectors	1 "D" style, 1 SMA	1 "D" style, 2 SMA	1 "D" style, 2 SMA

Please Note: A Working Cable and a Transducer Cable is required to operate a Remote Pulser with the DPR500.

CABLE SPECIFICATIONS

Cables for use with the DPR500 Dual Pulser/Receiver and Remote Pulsers

	Length	Description
CBL-107	0.23 M (or 7.1")	Remote Pulser Transducer Cable with SMA to Microdot connectors
CBL-102	0.20 M (or 7.8")	Remote Pulser Transducer Cable with SMB to UHF connectors
CBL-101	0.20 M (or 7.8")	Remote Pulser Transducer Cable with SMB to Microdot connectors
CBL-100	0.15 M (or 5.9")	Remote Pulser Transducer Cable with SMB to Microdot connectors
CBL-205	1.00 M (or 39.4")	Working Cable connects DPR500 to Remote Pulser
CBL-204	3.55 M (or 139.8")	Working Cable connects DPR500 to Remote Pulser
CBL-203	3.05 M (or 120.1")	Working Cable connects DPR500 to Remote Pulser
CBL-202	1.83 M (or 72.1")	Working Cable connects DPR500 to Remote Pulser
CBL-201	0.60 M (or 23.6")	Working Cable connects DPR500 to Remote Pulser
CBL-200	0.75 M (or 29.5")	Working Cable connects DPR500 to Remote Pulser
CBL-253	5.00 M (or 196.9")	Extension Cable connects DPR500 to Working Cable
CBL-251	3.0 M (or 118.1")	Extension Cable connects DPR500 to Working Cable
CBL-250	4.0 M (or 157.5")	Extension Cable connects DPR500 to Working Cable

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 Note: Specifications are typical, at 25°C.
 Specifications are subject to change without notice.



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