



# DAKOTA ULTRASONICS

## Engine Builders / Racing Sonic Testers, Transducers & Accessories - Price List

Date: 02/01/21

The **PR Series** of gauges are packaged in an all aluminum case making them the most durable gauges on the market.

Models	Features	Part #	Price US
 <p><b>PR-9</b></p>	Field Calibration of all materials (one or two point option), High Speed Scanning, and Backlit Display.	Z-309-0001	1175.00
 <p><b>PR-8V v2.0</b></p>	All the features of the PR-9 with a Time Based B-Scan to graphically draw the contour of the blind surface in a cylinder according to thickness. High speed scan (250 readings per second). Measures through paint and eliminates the thickness of the paint which causes errors on roll cages and chassis tubing. USB-C connectivity w/4GB internal SD memory. Selectable data structure option for engines, or general tubing inspection. Adjustable gain for noisy material or additional output. Probe type list for improved linearity. DakView cylinder wall mapping software (engine or grid file formats).	Z-158-0003	1850.00
<b>Kit Includes:</b>	Unit, Standard Transducer, Couplant, Manual, Plastic Carrying Case and AA Batteries. PC Engine Mapping Software and Transfer Cable included with PR-8V gauge. Software available for download our website.		

### Dual Transducer Reference Chart

#### Frequency & Diameter Disks



**Note:** The frequency and crystal diameter are stamped and sorted according to color, as illustrated above.

#### Size Options (Dual Element) – Top View Perspective



3/16" Version



1/4" Version



1/2" Version







**Note:** Customs sizes are available upon request.

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1500 Green Hills Road, #107 Scotts Valley, CA 95066

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<b>Styles (Dual Element) – Dimensional Perspective</b>		
		
3/16" Std Version – Chassis Tubing / Sanctioning	3/16" Low Profile Version	1/4" Std Version
		
1/4" Low Profile – Head Ports 1" Wand	1/4" Low Profile – Head Ports 9" Wand	1/2" Cylinder Walls - Blocks
<b>Note:</b> Customs sizes are available upon request.		

<b>5.0 MHz Dual Element Transducers (Cast Iron)</b>							
<b>Materials Used:</b> Cast Iron, Steel, Glass, Thin Plastics							
<b>Applications Used:</b> Cylinders , Heads, Decks, Tubing, Body panels, Wind shields							
√ <b>Most Common:</b> Covers majority of all iron automotive applications.							
Diameter	Part #	Comments	√	Connector	Radius	Entry	Price \$
3/16"	T-121-2100	Low Profile		Potted	0"	Side	265.00
1/4"	T-102-2000	Chassis tubing-Standard	√	Potted	0"	Side	265.00
1/4"	T-102-2700	Thru-paint Chassis tubing – PR-8V (E-E)	√	Potted	0"	Side	305.00
1/4"	T-162-2110	Low Profile 1" wand for cast iron head ports	√	Potted	.6"	Side	275.00
1/4"	T-132-2110	Low Profile 9" wand for cast iron head ports		Potted	.6"	Side	275.00
1/2"	T-104-2120	Cylinder Probe - Iron	√	Potted	2"	Side	275.00
<b>Note:</b> The ranges below are general ranges only, as the cast consistency varies from batch to batch. The more consistent the cast material is, the easier it is to pass sound through. If the material range is not specified below, this indicates that the probe frequency is not a good match for the material.							
Diameter	Mode	Range (ST=Steel) (CI = Cast Iron) (CA= Cast Aluminum)	Wearface Diameter	Crystal Diameter			
3/16"	P-E	.060" to 2.0" ST	1/4"	3/16"			
3/16"	P-E	.060" to .500" CI	1/4"	3/16"			
1/4"	P-E	.040" to 6.0" ST	3/8"	1/4"			
1/4"	P-E	.040" to .650" CI	3/8"	1/4"			
1/4"	E-E PR-8V	.050" to 1.0" ST	3/8"	1/4"			
1/2"	P-E	.050" to 15.0" ST	5/8"	1/2"			
1/2"	P-E	.050" to 1.5" CI	3/8"	1/4"			
<b>Note:</b> Additional High Damped versions are available in the above configurations for an additional charge. These items are custom builds only.							

<b>10.0 MHz Dual Element Transducers (Cast Aluminum)</b>							
<b>Materials Used:</b> Cast Iron, Steel, Glass, Thin Plastics							
<b>Applications Used:</b> Cylinders , Heads, Decks, Tubing, Body panels, Wind shields							
√ <b>Most Common:</b> Covers majority of all aluminum automotive applications.							
Diameter	Part #	Comments	√	Connector	Radius	Entry	Price \$
3/16"	T-101-4000	NHRA chassis tubing	√	Potted	0"	Side	295.00
1/4"	T-162-4110	Low Profile 1" wand for cast alum. head ports	√	Potted	.6"	Side	295.00
1/4"	T-132-4110	Low Profile 9" wand for cast alum. head ports		Potted	.6"	Side	295.00
1/2"	T-104-4120	Cylinder Probe – Alum.		Potted	2"	Side	295.00
<p><b>Note:</b> The ranges below are general ranges only, as the cast consistency varies from batch to batch. The more consistent the cast material is, the easier it is to pass sound through. If the material range is not specified below, this indicates that the probe frequency is not a good match for the material.</p>							
Diameter	Mode	Range (ST=Steel) (CI = Cast Iron) (CA= Cast Aluminum)		Wearface Diameter	Crystal Diameter		
3/16"	P-E	.040" to 2.0" ST		1/4"	3/16"		
3/16"	P-E	.060" to .500" CA		1/4"	3/16"		
1/4"	P-E	.040" to 6.0" ST		3/8"	1/4"		
1/4"	P-E	.040" to 1.0" CA		3/8"	1/4"		
1/2"	P-E	.050" to 10.0" ST		5/8"	1/2"		
1/2"	P-E	.050" to 1.5" CA		3/8"	1/4"		
<p><b>Note:</b> Additional High Damped versions are available in the above configurations for an additional charge. These items are custom builds only.</p>							

## Accessory Items


<b>Instrument &amp; Carrying Cases</b>			
			
Part #	Description	Comments	Price \$
F-100-0004	PR-8 Instrument Case	Nylon	55.00
F-112-0005	PR-8 <sup>2</sup> Series Nylon Case	Nylon	55.00
A-302-0001	PR-9 Instrument Case	Nylon	55.00
A-302-6002	PR-9 Instrument Case	Rubber	80.00
F-149-0001	PR-8V Instrument Case	Nylon	75.00
A-149-6002	PR-8V v2.0 Instrument Case	Rubber	100.00
A-100-6002	Plastic Carrying Brief Case	PR-8 <sup>2</sup>	35.00
A-302-6003	Plastic Carrying Brief Case	PR-9	35.00
A-100-6002	Plastic Carrying Brief Case	PR-8V	35.00


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<b>Couplant</b>			
			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
V-000-0001	4 oz bottle		15.00
V-000-0003	12 oz bottle		25.00
V-000-0004	1 gallon		150.00

<b>Calibration Blocks</b>			
			
<b>Part #</b>	<b>Description</b>	<b>Mat'l Type</b>	<b>Price \$</b>
X-000-0001	5 Step - .100" to .500"	4340 Steel	205.00
X-000-0002	4 Step - .250 to 1.0"	4340 Steel	205.00

<b>Misc. Accessories</b>			
			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
F-000-7001	Bell Shaped Spring Loaded Probe Holder (V-Block)	Std Can Style Probes Only	150.00
F-102-0001	Hammer Transducer (Cylinder Kit) with water path.	Used for with the B-Scan feature.	425.00

<b>Data Cables</b>			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
N-306-0010	6 foot RS232 (DB-9 to Lemo)	PR-8V	65.00
N-402-0510	USB to Serial Adapter	PR-8V	25.00

<b>Software &amp; Data CD</b>			
<b>Part #</b>	<b>Description</b>	<b>Comments</b>	<b>Price \$</b>
A-158-7001	DakView Software & Manual (.pdf) (note: software & manual available for download on our website at no charge)	PR-8V	30.00

