

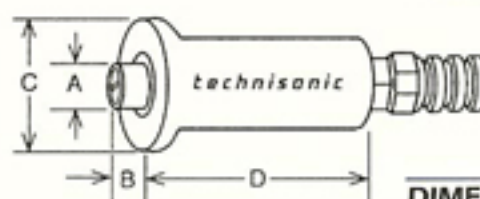
Dual Element Transducers

Technisonic offers a complete line of **Dual Element Transducers** suitable for inspection of materials at ambient or high temperature. These transducers are designed for the detection of near surface discontinuities or thin wall sections. Each transducer is actually two transducers constructed within

a single stainless steel housing, electrically and acoustically isolated from each other. Each half is angled toward the other with one side acting as the transmitter and the other the receiver. This produces a better signal/noise ratio than can be achieved by single element transducers.

The **Removable Bell Housing Transducer (DRB)** is offered in both ambient and high temperature styles which operate up to 550°F. This transducer is designed to operate on all commercially available flaw detectors and can also be ordered for many digital thickness gauges. A removable bell housing is provided for operator comfort.

Cable must be ordered separately. Please be sure to order Bell Housing Cables, which include a strain relief. Refer to cable chart on page 16.



DRB .375" Diameter		
Frequency (MHz)	Ambient Temperature	High Temperature*
2.25	DRB-0203-GP	DRBHT-0203-GP
5.0	DRB-0503-GP	DRBHT-0503-GP

* Contact Time: 10 seconds @ 500°F, then cool to ambient temperature.

DIMENSIONS (DRB)				
Element	A	B	C	D
.375"	.52"	.25"	1.35"	2.40"

DHT up to 550°F*		
Frequency (MHz)	Element Diameter	
2.25	DHT-0203-500	DHT-0204-500
5.0	DHT-0503-500	DHT-0504-500

DHT up to 900°F*		
Frequency (MHz)	Element Diameter	
2.25	DHT-0203-900	DHT-0204-900
5.0	DHT-0503-900	DHT-0504-900

* Contact Time: 10 seconds @ 500°F, 5 seconds @ 900°F, then cool to ambient temperature.

DIMENSIONS (DHT)				
Element	A	B	C	D
.375"	.48"	3.00"	4.00"	.75"
.500"	.61"	3.00"	4.00"	.75"

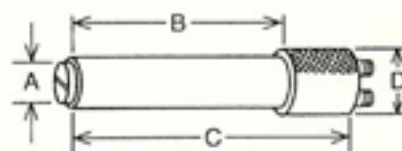
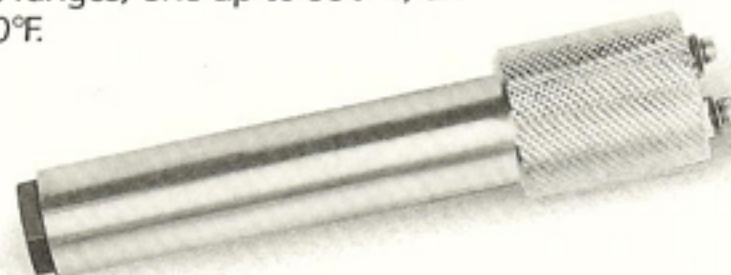
Standard Duals (DR)		
Frequency (MHz)	Element Dimensions	
1.00	DR-010404-GP	DR-010408-GP
2.25	DR-020404-GP	DR-020408-GP
5.00	DR-050404-GP	DR-050408-GP

Replacement Standard Delays		
Frequency (MHz)	Element Dimensions	
1.00	DR-D-0404	DR-D-0408
2.25	DR-D-0404	DR-D-0408
5.00	DR-D-0404	DR-D-0408-5

Replacement High Temperature Delays		
Frequency (MHz)	Element Dimensions	
1.00	DR-DHT-0404	DR-DHT-0408
2.25	DR-DHT-0404	DR-DHT-0408
5.00	DR-DHT-0404	DR-DHT-0408-5

DIMENSIONS (DR)					
Element	A	B	C	D	E
.5" x .5"	.52"	.70"	.20"	.80"	.85"
.5" x 1.0"	1.05"	.70"	.25"	1.50"	.99"

The **High Temperature Transducers (DHT)** are best suited for limited access areas or the inspection of insulated pipes or vessels. This transducer is designed to operate on all commercially available flaw detectors and is offered in two temperature ranges, one up to 550° F, and the other up to 900°F.



The **Removable Delay Transducers (DR)** are ideal for scanning large areas where there are no space restrictions. They have been designed with replaceable delays which allow for greater flexibility. The delays can be replaced due to wear, they can be curved for pipe inspection, or replaced with high temperature delays for testing materials up to 450° F. This transducer is provided with a set of standard delays and microdot connectors. Color coded caps make these transducers easy to identify.

