

# Dual Element Transducers

## DEM & PDEM



### Features

- Dual normal beam compression wave contact probe.
- Lead metaniobate crystal (DEM).
- Composite Crystal (PDEM).
- Medium damped for medium bandwidth.

### Frequent Applications

- Aerospace
- Bars & Billets
- Bond Testing
- Castings
- Ceramics
- Composites
- Lamination
- Forgings
- Machined Parts
- Thickness
- Tube & Pipe
- White Metals

Transducer Models		
DEM	f	∅
p/n	(MHz)	(")
DEM2525	2.25	1/4
DEM3725	2.25	3/8
DEM5025	2.25	1/2
DEM7525	2.25	3/4
DEM2550	5	1/4
DEM3750	5	3/8
DEM5050	5	1/2
DEM7550	5	3/4
DEM2510	10	1/4
DEM3710	10	3/8
DEM5010	10	1/2

Transducer Models		
PDEM	f	∅
p/n	(MHz)	(")
PDEM251	1	1/4
PDEM371	1	3/8
PDEM501	1	1/2
PDEM751	1	3/4
PDEM2525	2.25	1/4
PDEM3725	2.25	3/8
PDEM5025	2.25	1/2
PDEM7525	2.25	3/4
PDEM2550	5	1/4
PDEM3750	5	3/8
PDEM5050	5	1/2
PDEM2510	10	1/4

Size Options	DEM & PDEM			Connector Options DEM									
Probe Size (")	Case Dimensions (")			Connector Type						Connector Position			
∅	A	B	C	BNC (B)	Lemo 1 (L)	Lemo 00 (Z)	Microdot (D)	Subvis (S)	UHF (U)	Top (T)	Rear (R)	Side	Cable
1/4	0.4	1.00	0.57	-	-	-	•	-	-	•	-	•	-
3/8	0.5	1.00	0.63	-	-	-	•	-	-	•	-	•	-
1/2	0.64	1.00	0.75	-	-	-	•	-	-	•	-	•	-
3/4	0.87	1.10	1.00	-	-	-	•	-	-	•	-	•	-

Different shoe materials available upon request.