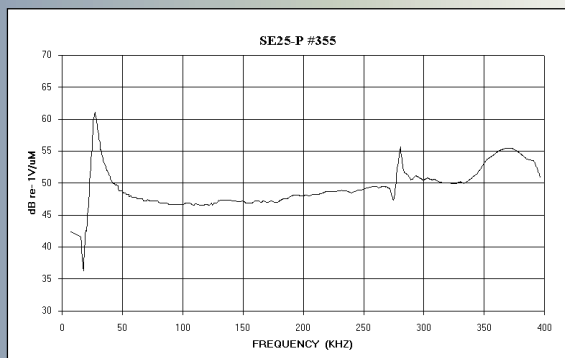


The SE25-P is a miniature transducer with a small aperture (0.125 in.). The element of this transducer has been loaded to provide low frequency displacement response to plate waves produced by out-of-plane sources such as impact and friction in addition to its high frequency response to in-plane sources due to crack growth. Special proprietary backing material fills the inside of the case to provide protection against shock, vibration and moisture intrusion. In addition this material provides over 20 dB of acoustic isolation between the case and active element. This is a unique feature of all DECI small aperture transducers.

This is an ideal transducer to use for small specimen testing if one wishes to make use of the AESMART 2000 instrument for filtering out extraneous noise due to out-of-plane sources.



# SE25-P

## DUAL PERFORMANCE MINIATURE SENSOR

### SPECIFICATIONS:

Aperture size	0.125 inch dia. (3.13mm)	
Element-case isolation	>20 dB	
P case material	Stainless steel	
Physical dimensions	Diameter	0.500 inch (12.5mm)
	Height	0.550 inch (13.5mm)
Weight	9 grams	
Temperature	-50 to +100° C	
Grounding	Case isolated with integral ceramic wear plate for electrical isolation	
Humidity	Waterproof for short periods	
Connector	10-32 connector, side mounted	
Calibration	Traceable displacement calibration curve provided	
Sensitivity	See attached curve	

### ACCESSORIES:

MB-1 Cable	Mini-P Preamplifier
500J Power Adapter	Integral Preamplifier



**DUNEGAN ENGINEERING COMPANY, INC.**

P.O. Box 61808 • Midland, TX 79711

Telephone: (432) 561-5901 • FAX: (432) 563-0178

email: [hal@deci.com](mailto:hal@deci.com) • Homepage: [www.deci.com](http://www.deci.com)