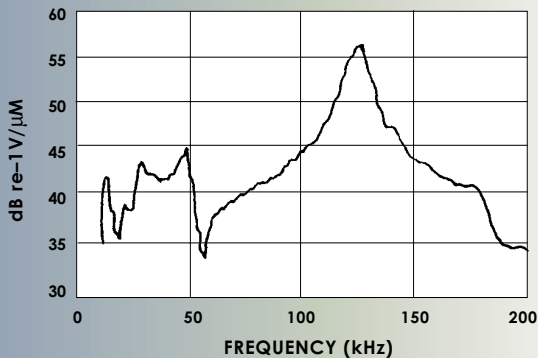




The SE9125-M is a dual-purpose acoustic emission transducer that is equally sensitive to in-plane (IP) and out-of-plane (OOP) plate waves. This dual performance is achieved by a partial mass loading of the piezoelectric crystal which is the sensing element for this transducer. This transducer will also respond to Sv and Sh shear waves.

The SE9125-M or SE9125-MI (integral preamplifier version), are the recommended transducers to use with the AESMART 2000 or AESMART 302A acoustic emission instruments. Modal ratio filtering is a combination of transducer and instrumentation capable of eliminating extraneous noise signals due to impact and friction before they reach the data base.



SE9125-M

Patent #5714687

ACOUSTIC EMISSION SENSOR FOR COMBINED IN-PLANE AND OUT-OF- PLANE WAVE DETECTION

SPECIFICATIONS:

Physical Dimensions	0.800" Dia. (20mm) 0.525" High (3.12mm)
Operating Temperature	-50 to +100° C
Circuit Configuration	Single-ended
Grounding	Case-isolated, with integral ceramic wear plate for electrical isolation
Humidity	Waterproof for short periods
Case Material	Aluminum, standard Stainless steel available with 1 meter long intergral cable.
Weight	15 grams (aluminum case)
Connector	10-32 connector, side mounted Integral cable - BNC connector
Calibration	Displacement calibration traceable to NIST
Sensitivity	See attached curve

ACCESSORIES:

Integral Preamplifier
MB-1 Cable
500J Power Adapter
AESMART 2000
AESMART 302A



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