



# MODEL 250

## WAVE GUIDE ADAPTER

### SPECIFICATIONS:

MATERIAL	Teflon
WAVE GUIDE DIA.	0.250 in. (6.25mm) Standard*
*Other diameters available by request.	
TRANSDUCER CASE DIA.	0.800 in. (20mm)

The model 250 wave guide adapter is a quick and efficient way of attaching an AE transducer to a wave guide. We have found in our experiments that the small aperture SE1000-HI high fidelity transducer mounted to a wave guide with a sharp point (zero aperture) at the opposite end using the Model 250 wave guide adapter, can measure surface displacements in the pico meter range.

There is no need to permanently attach a transducer to the flat end of the wave guide. All that is required is a small amount of petroleum jelly between the transducer and the end of the wave guide. This feature allows the transducer to be easily attached and removed from the wave guide.

The construction of the wave guide and the Teflon material used in the construction provides electrical isolation between the waveguide and transducer, provided the transducer is supplied with a ceramic isolation disk.

The above specifications are for use with M & H series DECI transducers. Any diameter wave guide and transducer case size can be accommodated on request.



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