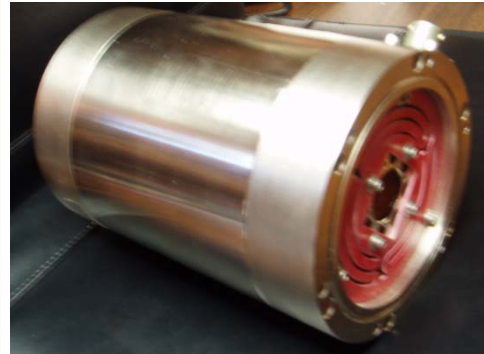
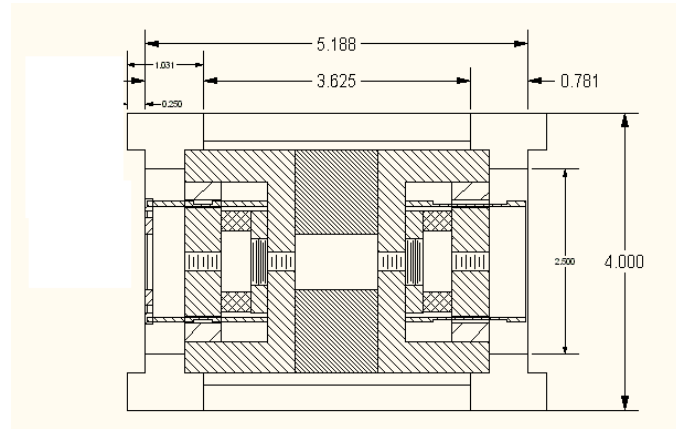


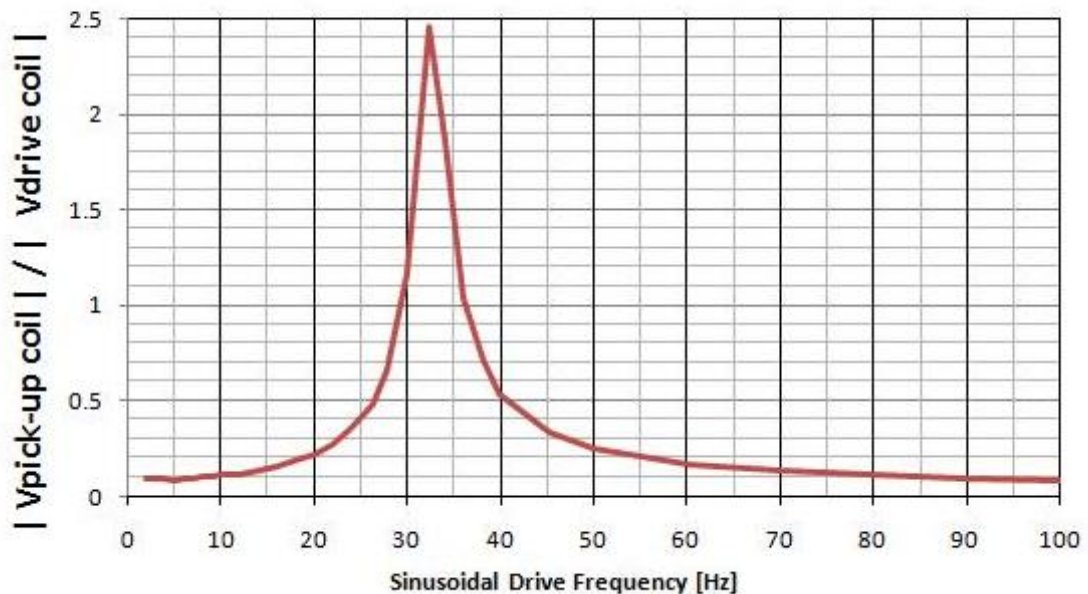
### **Model VT400 Linear Velocity Transducer**

The Model VT400 is optimized for use with Mössbauer spectrometers. The VT400's double voice coil design provides a highly linear velocity scan that is both stable and precise. The housing is equipped with O-ring seals for mounting on cryostats.



### **Specifications for VT400 s/n 905**

**VT400 Open Loop Frequency Response**  
displayed as ratio of the amplitude of the Pick-up coil voltage to  
the amplitude of the sinusoidal drive coil voltage.



Geometry	Double voice-coil on single shaft
Mass	2,460 g
Diameter	10 cm
Length	14.4 cm
Resonance Frequency	32 Hz
Max. Velocity Range	+/- 100 mm/s
Pick-Up Coil Sensitivity	16 mV / mm/s
Pick-up Coil Resistance	445 ohms
Drive Coil Resistance	27 ohms
Magnets	Bonded NeFeB
Linearity	Integral non-linearity < 0.1% over range +/- 10 mm/s
Connections	<p>Connector on transducer: Amphenol MS3112E8-4S four pin female.</p> <p style="padding-left: 40px;">Pin A Pick-up coil +  Pin B Pick-up coil -  Pin C Drive coil +  Pin D Drive coil -</p> <p>Supplied with 3 m cable that mates to transducer connector and has 9-pin male sub-D connector on other end.</p> <p style="padding-left: 40px;">Cable male 9-pin sub-D Connector</p> <p style="padding-left: 40px;">Pin 2 Pick-up coil +  Pin 4 Pick-up coil -  Pin 7 Drive coil +  Pin 8 Drive coil -</p>