

TRANSDUCER MEASUREMENT REQUEST SHEET

REQUESTNO. _____
CAL. REPORT NO. _____ (Not to be filled in by requestor)

SYSTEM INDENT. (SQS, BQS, etc.) \_\_\_\_\_

MODEL (DT, TR, XU, etc.) \_\_\_\_\_ MFG. \_\_\_\_\_

SERIALNUMBER (S) \_\_\_\_\_

ELEMENTTYPE

Magnetostrictive     Piezoelectric     Other \_\_\_\_\_

DOME (TYPE) \_\_\_\_\_

ORIENTATION OF DOME FOR FREQUENCYRESPONSE MEASUREMENTS:

PROJECTNUMBER \_\_\_\_\_

DATE OF REQUEST \_\_\_\_\_

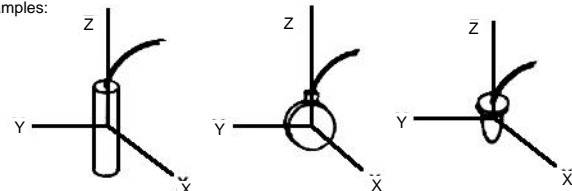
REQUIRED COMPLETION DATE \_\_\_\_\_

REQUESTOR (Name) \_\_\_\_\_

CODE \_\_\_\_\_ EXT. \_\_\_\_\_

REPORT REQUIRED     YES     NO

BOW     STERN     PORT     STBD.

A. CHECK TYPE OF MEASUREMENT DESIRED:	Frequency or Frequency Range in kHz	REMARKS
<p><input type="checkbox"/> Receiving Voltage Sensitivity _____</p> <p><input type="checkbox"/> Transmitting Voltage Response _____</p> <p><input type="checkbox"/> Transmitting Current Response _____</p> <p><input type="checkbox"/> Other _____</p> <p>POLAR PATTERNS:    <input type="checkbox"/> Receiving    <input type="checkbox"/> Transmitting</p> <p>Axis of Rotation</p> <p><input type="checkbox"/> X</p> <p><input type="checkbox"/> Y</p> <p><input type="checkbox"/> Z</p> <p>Examples:</p>  <p>ADMITTANCE MEASUREMENTS:</p> <p><input type="checkbox"/> Air    <input type="checkbox"/> B vs. G (f as parameter)    <input type="checkbox"/> G vs. f</p> <p><input type="checkbox"/> Water    <input type="checkbox"/> G vs. f</p> <p><input type="checkbox"/> Plot    <input type="checkbox"/> Vector Amplitude &amp; Phase</p> <p><input type="checkbox"/> Tabulate</p> <p>IMPEDANCE MEASUREMENTS:</p> <p><input type="checkbox"/> Air    <input type="checkbox"/> X vs. R (f as parameter)    <input type="checkbox"/> R vs. f</p> <p><input type="checkbox"/> Water    <input type="checkbox"/> X vs. f</p> <p><input type="checkbox"/> Plot    <input type="checkbox"/> Vector Amplitude &amp; Phase</p> <p><input type="checkbox"/> Tabulate</p>		

B. ELECTRICAL INFORMATION:

1. Cable Type \_\_\_\_\_ (if other than 2-wire and shield, give color and wiring diagram)
2. Cable Termination  Bare Leads  Connector (Type) \_\_\_\_\_
3. Internal Calibration Resistor Value \_\_\_\_\_ ohms. **NOTE:** If Calibration resistor is NOT used, Receiving Sensitivity is a function of cable length and type
4. Internal hydrophone preamplifier  YES  NO GAIN \_\_\_\_\_ db. Supply voltage/current \_\_\_\_\_
5. Termination of signal leads  Balanced  Unbalanced  Other \_\_\_\_\_
6. Termination of shield  Ground  Common  Other \_\_\_\_\_
7. Is sea ground required at hydrophone/preamplifier cases?  YES  NO

C. TRANSDUCER HANDLING INFORMATION:

1. Rigging services will be obtained by requestor for transducers and associated equipment if required. DO NOT have units delivered until notified.
2. Approximate size \_\_\_\_\_ Shape \_\_\_\_\_ Weight \_\_\_\_\_
3. Cable length \_\_\_\_\_, Is Cable on a reel?  YES  NO Weight of Cable and Reel \_\_\_\_\_
4. Is adapter available for mounting to 6" or 12" diameter QC type flange?  YES  NO
5. If available, furnish sketch or photograph of unit.

D. DOCUMENTATION:

1. Distribution codes of calibration report: \_\_\_\_\_
2. Classification of calibration data: \_\_\_\_\_
3. Give any additional instructions required regarding details and presentation of data under Additional Remarks

E. ADDITIONAL REMARKS:

NOT TO BE FILLED IN BY REQUESTOR

Assigner Operator: \_\_\_\_\_ Date Measurements Started: \_\_\_\_\_  
Date Measurements Completed: \_\_\_\_\_ Date Computations Completed: \_\_\_\_\_