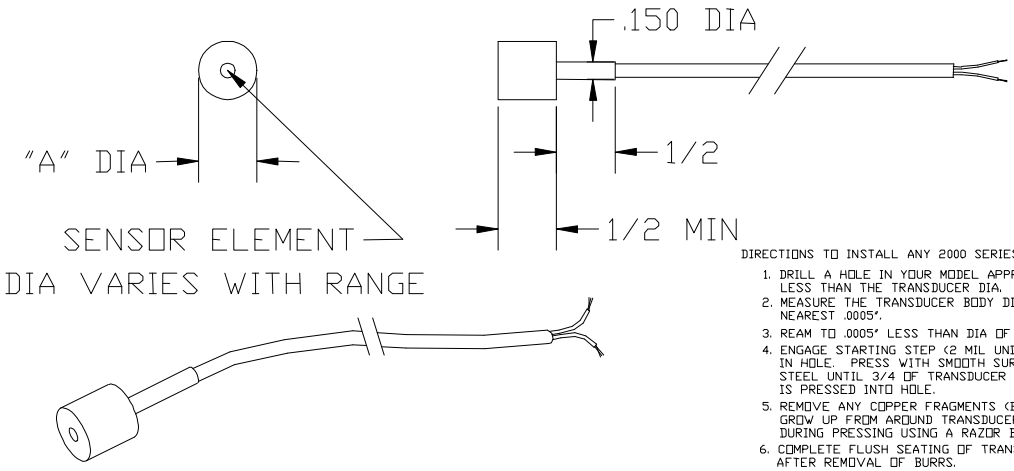
Thermogage Standard Conduction Cooled Unit
(There are many other designs available)

PART NO.	"A" DIA
1	.500
2	.250
3	.187

NO.	REVISION	DATE	CK.

FLEXIBLE LEAD: COPPER CONDUCTORS WITH TEFLON INSULATION OVER EACH CONNECTOR --- TINNED COPPER BRAID OVERALL --- CLEAR TEFLON OVERALL. RED WIRE IS POSITIVE. BRAID INSULATED FROM BODY. STANDARD LENGTH 6 FT.



DIRECTIONS TO INSTALL ANY 2000 SERIES TRANSDUCER

1. DRILL A HOLE IN YOUR MODEL APPROX. .005" LESS THAN THE TRANSDUCER DIA.
2. MEASURE THE TRANSDUCER BODY DIA. TO THE NEAREST .0005".
3. REAM TO .0005" LESS THAN DIA OF TRANSDUCER.
4. ENGAGE STARTING STEP (2 MIL UNDERCUT). IN HOLE. PRESS WITH SMOOTH SURFACED TOOL STEEL UNTIL 3/4 OF TRANSDUCER BODY LENGTH IS PRESSED INTO HOLE.
5. REMOVE ANY COPPER FRAGMENTS (BURRS) THAT GROW UP FROM AROUND TRANSDUCER BODY DURING PRESSING USING A RAZOR BLADE.
6. COMPLETE FLUSH SEATING OF TRANSDUCER AFTER REMOVAL OF BURRS.

This drawing and the design information it contains are the property of the Vatell Corporation, 240 Jennelle Road, Christiansburg, VA 24073. This copy is provided for reference only, and may not be used for fabrication without the express permission of Vatell Corporation.

VATELL CORPORATION
240 JENNELLE ROAD,
CHRISTIANSBURG, VA.
(540) 961-7138

DIMENSION TOLERANCES (except as noted)
.XX ± .010 in. (.25 mm)
.XXX ± .002 in. (.05 mm)

DRAWN BY:
CHECKED BY:
APPROVED BY:

MATERIAL: OFHC COPPER
QUANTITY:
FINISH:

TITLE: THERMOGAGE CONDUCTION COOLED CIRCULAR FOIL HEAT FLUX GAGE

FILE NAME: D:\TGAGE\2000\2000-0.DWG

SCALE:	DATE:	DRAWING #	REV.	SHEET #
		2000-0		