

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF TRANSDUCER SYSTEMS, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS A BASIS FOR MANUFACTURE OR SALE OF EQUIPMENT WITHOUT WRITTEN PERMISSION

**SPECIFICATIONS**

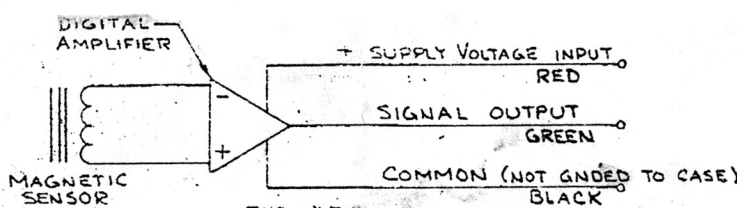
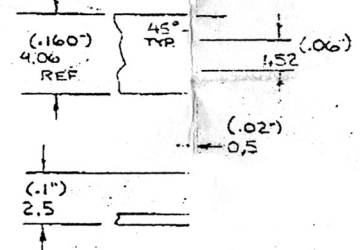
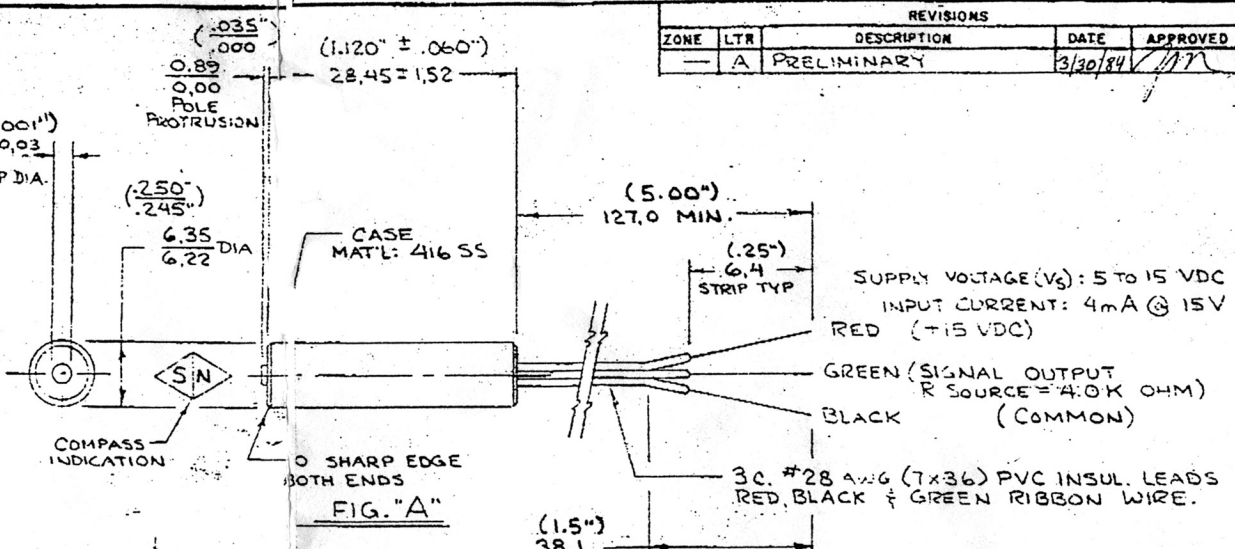
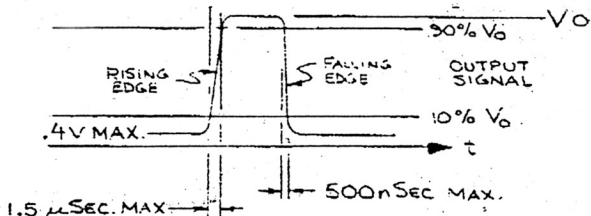
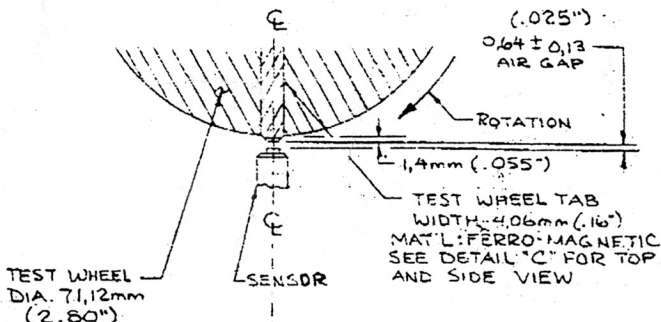
SUPPLY VOLTAGE ( $V_S$ ): +5 TO +15 VDC  
 INPUT CURRENT: 4 mA @ +15 VDC  
 OPERATING TEMPERATURE RANGE: -25° C. TO +85° C.  
 (-13° F. TO +185° F.)

OUTPUT VOLTAGE:  $V_O = \frac{V_S \times R_L}{R_L + 5000}$

INTERFERENCE REJECTION: IMMUNE TO POWER SUPPLY RIPPLE OF UP TO  $\pm 10\% V_S$  AT FREQUENCY UP TO 1 MHz.  
 SENSITIVITY: INDEPENDENT OF SUPPLY VOLTAGE.

**TEST CONDITIONS:**

TEST WHEEL: SINGLE TOOTH -- (REF. FIG. "B")  
 MAT'L: FERRO-MAGNETIC  
 SPEED: 3600 RPM



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
-	A	PRELIMINARY	3/30/84	[Signature]

SUPPLY VOLTAGE ( $V_S$ ): 5 TO 15 VDC  
 INPUT CURRENT: 4 mA @ 15V  
 RED (+15 VDC)  
 GREEN (SIGNAL OUTPUT R SOURCE = 4.0K OHM)  
 BLACK (COMMON)  
 3c. #28 AWG (7x36) PVC INSUL. LEADS  
 RED, BLACK & GREEN RIBBON WIRE.

**METRIC**

MATERIAL		HEAT TREAT		FINISH	
TOLERANCE UNLESS NOTED		ORDER NO. STD		TST TRANSDUCER SYSTEMS, INC.	
.XX	+ .01 - .01	DRAWN BY DMB		WILLOW GROVE, PA. 19090	
.XX	+ .005 - .005	DATE 3/30/84		OUTLINE	
.XXX	+ .0005 - .0005	CHECKED [Signature]		DMP 250 - 1120 AP - 5P - X5/4 -	
DRILLED HOLES	+ .005 - .005	DATE 3/30/84		DIGITAL MAGNETIC PICKUP	
FORMED ANGLES	+ 1/8" - 1/8"	APPROVED [Signature]		DATE 3/30/84	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES AND INCLUDE PLATING WHEN SPECIFIED.					
REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.					
ALL DIAMETERS TO BE CONCENTRIC WITHIN .005 T.I.R. UNLESS NOTED.					
SCALE	NONE	DATE	AUG 09 1989	DWG NO.	B201-40019 A
REV.	B	SCALE	NONE	SHEET	1 of 1

REF. ONLY	C201-010
NEXT ASSEMBLY	FINAL ASSY