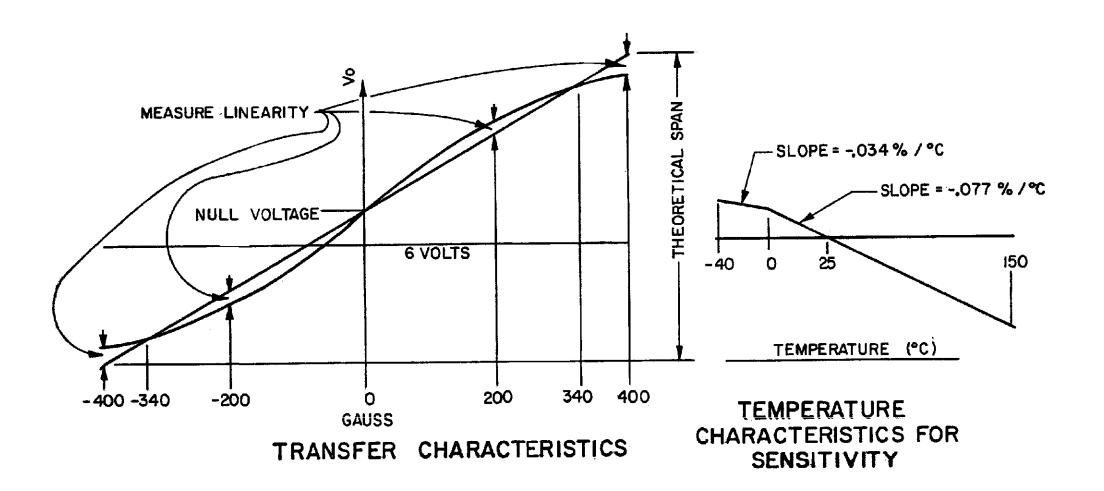
S 16-

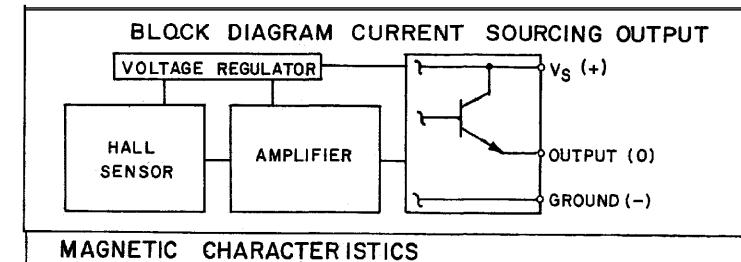
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FORMTEK

THE + MAGNETIC FLUX IS IN THIS DIRECTION (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)

AT 25°C AND 2,200 OHM LOAD
ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL AND MAGNETIC
CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING REFERENCE CURVES





PARAMETER	PERFORMANCE @ 12 VDC		
	TYPICAL	MAX TOLERANCE	
SPAN (-400 TO +400 GAUSS)	6.00 VDC		
NULL (OFFSET AT 0 GAUSS)	6 VDC	±0.6 VDC	
SENSITIVITY (MV/GAUSS) (V <sub>O</sub> @ 340g - V <sub>O</sub> @ -340g)/680	7.5	±.2	
LINEARITY % OF SPAN		±1.5%	
TEMPERATURE ERROR NULL % OF SPAN -40°C TO 150°C -25°C TO 85°C 0°C TO 50°C		±58 ±3ፄ ±2ፄ	
GAIN -40°C TO 0°C 0°C TO 150°C	-0.034%/°C -0.077%/°C		

	24°C	-40°C TO +150°C	REMARKS
SUPPLY CURRENT (MAX)	f6mA	ł9mA	EXCLUDING LOAD CURRENT B TO 16 VDC SUPPLY VOLTAGE

ELECTRICAL CHARACTERISTICS

ABSOLUTE MAXIMUM RATING				
SUPPLY VOLTAGE	-0.5 TO +18.0 VDC			
OUTPUT CURRENT	IO mA MAX			
STORAGE TEMPERATURE	-40°C TO 150°C			
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE			

CAUTION

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**MICRO SWITCH** 

SOLID STATE

CATALOG LISTING 91\$\$16-2

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE NO PLACE (0)  $\pm 1 \,\mathrm{mm}$ ONE PLACE (0.0) $\pm$  0.4 mm (0.00)  $\pm 0.15$  mm TWO PLACE **ANGLES** ±

THIRD ANGLE PROJECTION

DO NOT SCALE PRINT

SCALE **NONE** 

WEIGHT

MASTER REDUCED | a Honeywell Division FED. MFG. CODE 81929

LINEAR OUTPUT HALL **EFFECT TRANSDUCER** 

ANSI Y14.5M-1982 APPLIES