

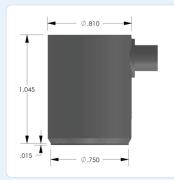
Products & Systems Division

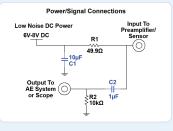


PK30I Sensor

Integral Preamplifier Sensor







DESCRIPTION AND FEATURES

The PK30I is a narrow band sensor featuring an integral, ultra low noise and low power preamplifier. The bandpass filtered preamplifier has a gain of 26dB which can drive up to 200 meters of cable. The sensor has a resonance frequency around 300kHz. The PK series sensors represent an improvement in both noise and power consumption. With noise level below $3 \,\mu\text{V}$ and power consumption as little as $25 \,\text{mW}$, the sensor is ideal for use with battery powered portable equipment. The PK30I features a rugged stainless steel, integrated body structure.

APPLICATIONS

PK30I sensor has been designed to be used with pocket AE system, a small hand-held AE system, or with Highway-II an outdoor rated, on-line monitoring system.

PRODUCT DATA SHEET

OPERATING SPECIFICATIONS

Dynamic

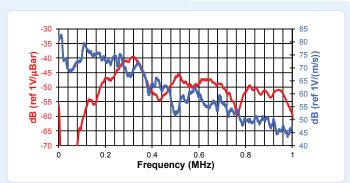
Dynamic	
Peak Sensitivity, Ref V/(m	/s)82 dB
Peak Sensitivity, Ref V/µb	ar39 dB
	ge 200-450 kHz
	V/(m/s)
	V/μbar350 kHz
Directionancy	······································
Environmental	
Temperature Range	35 to 75⁰C
Shock Limit	500 g
Completely enclosed crys	stal for RFI/EMI immunity
Physical	
/	0.81"OD X 1.06"H
DIMENSIONS	20.6 mm OD X 27 mm H
14/-1-I-I	
0	
	Stainless Steel (304)
	Ceramic
	SMA
Connector Locations	Side
Electrical	
Gain	
	<3 μV
	Case Grounding
-	(isolated from mounting surface)

(isolated from mounting surface)

ORDERING INFORMATION AND ACCESSORIES

PK30I PK30I
Cable (specify length in '-XX' m)1234-SMA/BNC-X
Magnetic Hold-Down MHR30I
Preamp to System Cable (specify length in 'm') 1234-X
Amplifier Subsystems AE2A, AE5A

Sensors include NIST Calibration Certificate & Warranty



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