IFS-3000 Series Analog Infrasound Sensor

Features:

- Modular Design
- Ruggedized Construction
- Differential Output
- Low Power Consumption
- Stable Operation
- Chemical, Water, Dirt and Weather Resistant
- Multiple Versions for Various Applications
- Sensitivity Selectable at Time of Order
- Excellent Sensor-To-Sensor Matching
- Custom Configurations Available
- Blast Wave Version Available
- Seismically Decoupled Version Available

Applications:

- Geological Geophysical Research
- Violent Convective Storm Data Collection
- Anthropogenic Signal Collection
- Natural Infrasound Source Data Collection
- Atmospheric Structure / Propagation Study

HYPERION TECHNOLOGY GROUP, INCORPORATED

3248 West Jackson, Tupelo, Mississippi 38801-6735 662.823.0600 http://www.hyperiontechgroup.com

SENSOR SPECIFICATIONS (IFS-3010, IFS-3013, Standard Configuration)

General		
	Size	Diameter - 152.4mm(6") Height - 177.8mm(7")
	Weight	4.53kg(10.1 lbs)
	Input Voltage	9-18Vdc
	Power Consumption	50mW to 750mW, Configuration dependant
Analog		
	Calibrated Frequency Response	0.001Hz to 1000Hz
	Typical Frequency Response	0.01Hz to 100Hz with less than 3dB variability
	Intrinsic Noise	$<10^{-5}$Pa, full range 100Pa
	Peak Pressure	100kPA, Blast wave configuration
	Output Impedance	22Ω
	Output Signal Level	150mV/Pa, Selectable at time of order
Connector Pinout		
	Connector Type	Amphenol PT02E-12-8P
	Pin A	Signal Positive
	Pin B	Not Used
	Pin C	Not Used
	Pin D	9-18Vdc Input
	Pin E	Not Used
	Pin F	Signal Return
	Pin G	Signal Negative
	Pin H	Power Return

Sensor Specification are valid as of 1 December, 2011, but are subject to change without notice.

SENSOR CONFIGURATION MATRIX

IFS- P C O H

	(P) Profile
3	Upright Housing
4	Pancake Housing
	(C) Configuration
0	Analog Standard
1	Digital Standard
2	Analog Custom
3	Digital Custom
4	Analog w/o Line Driver
	(O) Connector
0	None - Flying Leads
1	Amphenol PT02E-12-8P
2	Bulgin 400
3	Molex 70553-0110
4	Custom
	(S) Shroud
0	HF Shroud
1	None
2	Single Port Tube
3	Four Port Garden Hose
4	Custom