



## Sensor Box iDaq4Sonic

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iDaq4Sonic is the interface which allows to connect the sensors required for the functioning of Itasonic<sup>®</sup>2010 and of Itanoise<sup>®</sup>. iDaq4Sonic is provided with 4 inputs for IEPE sensors (microphones, accelerometers, load cells...) and 1 Strain Gage input. iDaq4Sonic includes a module 8 In/8 Out (expandable) and an hammer module, for the management of the automatic hammers Imad 908 and Imad 909. The connection to the Pc is made by Ethernet 10/100.



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On the back side there are 4 DB25 inputs for the I/O connections, 2 DB9 inputs for hammer and encoder, 1 connector for the power input cable (supplied by the iPower4Sonic module), and the 10/100 Mbit Ethernet connector.



iDaq4Sonic is powered by iPower4Sonic module.

Power Supply 110/230 Vac 50/60 Hz


**Sensor Box iDaq4Sonic**
**iDaq4Sonic Data Sheet**

Voltage		Power Supply Characteristics	Consumption
+24 V	Linear		24W max.
+8 V	Linear		17.6W max.
-15 V	Linear		15W max.
+24 V	Switching		36W max.
Front Connectors			
4 BNC* connectors		IEPE inputs/ inputs in voltage	
1 DB9** connector		Strain Gage input	
Back Connectors			
4 DB25 connectors		Input/Output connection	
2 DB9 connectors		Automatic hammer/Encoder connection	
1 connector for the input cable		Power Supply connection	
IEPE inputs			
Current		4 - 10 mA	
Gain		x1, x2, x5, x10	
Inputs in voltage			
Range		± 10 V	
Strain Gage inputs			
Voltage		+5 V, +9 V, +15 V	
Gain		x10, x100, x1000, x3000	
Sampling Rate			
Max 125 KHz			
I/O			
Devices	Voltage		Power
Input	24 V		
Output	24 V		24 Watt max.
Hammer	24 V		
Ethernet			
10/100 Mbit Ethernet connector			