



TECHNOLOGY
TQMitaca

I N T E G R A T E D S O L U T I O N S F O R M E A S U R I N G

Sensor Box iDaq4Sonic

iDaq4Sonic is the interface which allows to connect the sensors required for the functioning of Itasonic[®] 2010 and of Itanoise[®]. 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.



Sensor Box iDaq4Sonic



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

Power Supply		
Voltage	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	24 Watt max.
Output	24 V	
Hammer	24 V	
Ethernet		
10/100 Mbit Ethernet connector		