

D|AQ BOX

4-Channel Data Logger

Special Characteristics

- ▶ Reset option for piezoelectric pressure sensors
- ▶ until 100 kHz sampling rate



The D | AQ-BOX is a data acquisition device from BD SENSORS. The Data Logger is ideal for fast and high-dynamic sensors, such as the piezoelectric DMC and DAC series or the DMP 320.

Due to the maximum sampling rate of 100 kHz, it is fast enough for almost all applications to perfectly read out the data flow of the sensors. For piezoelectric sensors, a reset option has been implemented, which can be triggered by simple button clicks in the software.

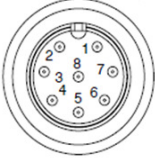
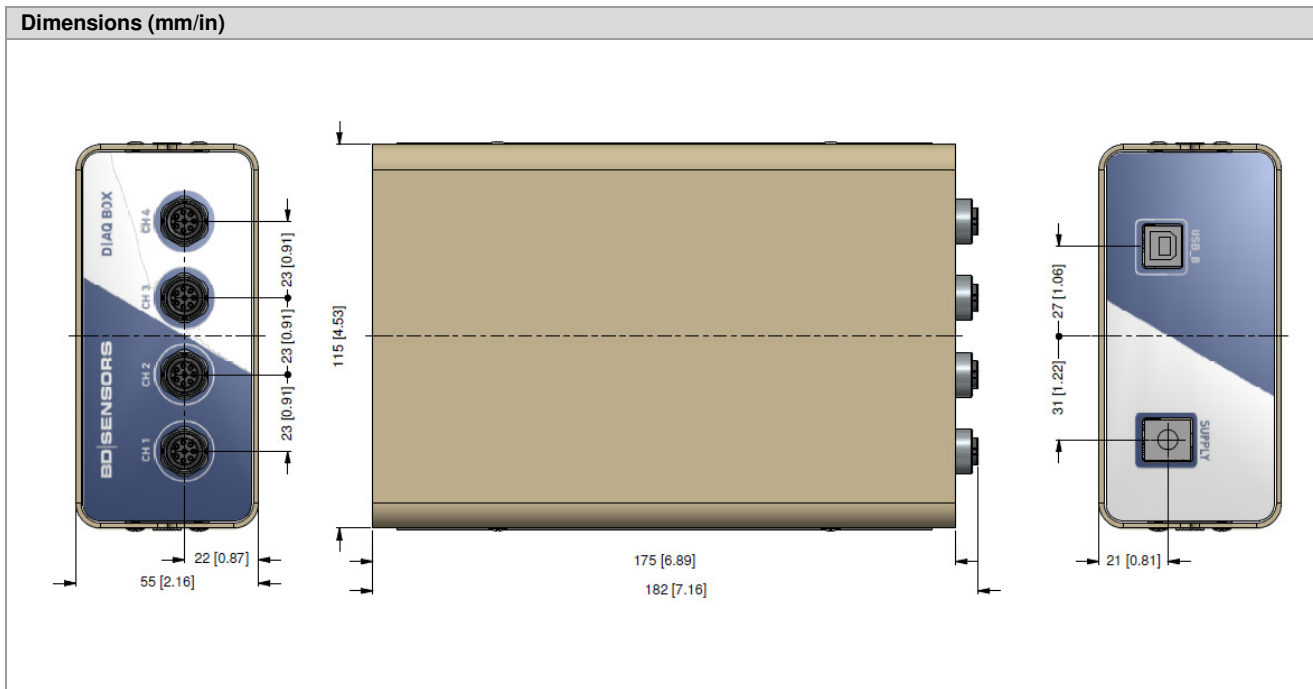
The software BDS-PDS was developed especially for the D | AQ-BOX. It is easy to understand and easy to use. The software is fully adapted to the D | AQ-BOX and together they provide a fast, reliable and efficient data acquisition system.

All necessary cables and connections are included with the D | AQ-BOX. The unrestricted operation of the data acquisition device is only possible in conjunction with a Windows PC or another Windows device.

Technical characteristics	
Supply	18 ... 30 VDC (24 VDC- power supply adapter included)
Input (sensor)	-10 ... +10 V _{DC}
Channel	4
Sampling rate	100 kHz (maximum sampling rate, when using multiple channels, this splits up, for example 4 channels 25 kHz / channel)
Connection-PC	USB-B
Output supply	device supply

EMC conformance	
Guideline	according to EN 61326-1: 2007, EN 61326-2-3: 2007 in industrial environment
Degree of protection	IP40

Pin assignment			
System connector plug input / output			
Pin	Signal name	Description	Value
1	ground supply	-	-
2	not assigned	not assigned	-
3	reset	active high	+ 12... +30 V
4	not assigned	not assigned	-
5	input +	input signal	± 10 V
6	input -	input signal (ground)	-
7	not assigned	not assigned	-
8	voltage supply	voltage supply between pin 8 and 1	+18 ... +30V

Accessories (included in scope of supply)
24 V _{DC} -power adapter, USB cable 1,5 m, 4 x M12x1 cable 8-pin; CD with software, operating manual and data sheet

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