

## USB DAQ System : DEWE-43A

### 8-Channel USB Data Acquisition System

- Universal Analog Input
- Sensor Power Supply
- Isolated CAN Inputs
- Fully Synchronized and Software included



### Specification

<b>Analog Inputs</b>	
Inputs	8 ch Voltage, Full bridge
ADC type	24bit delta-sigma with anti-aliasing filter
Sampling rate	Simultaneous 200 kS/sec
Input type	Differential
<b>Voltage Mode</b>	
Range	$\pm 10$ mV, $\pm 100$ mV, $\pm 1$ V, $\pm 10$ V
Maximum common mode voltage	$\pm 13$ V
Overvoltage protection	$\pm 70$ V input protection
<b>Excitation Voltage</b>	
Excitation voltage	$\pm 5$ V $\pm 0.1$ % bridge sensor supply, 70 mA limit
Sensor supply	12 V, 350 mA (Shared between: 8xAI, 8xCounters, 2xCAN)
<b>CAN bus</b>	
Number of ports	2
Interface type	CAN 2.0B, up to 1 MBit/sec
Special applications	CCP, OBDII, J1939, CAN output
Galvanic isolation	Isolated
Bus pin fault protection	$\pm 36$ V
<b>Interfaces and option</b>	
USB	USB-B mini, USB 2.0 interface
Synchronization	2x SIRIUS® SYNC ( Max. Sync-cable length : 100m (Master/Slave))
<b>Power</b>	
Power supply	9 - 36 V DC
<b>Environmental &amp; Physical</b>	
Operating Temperature	Max. 60 °C down to -20 °
Dimensions & Weight	225 x 80 x 45 mm, 0.72 kg