2 channels USB DAQ for Strain type measurement

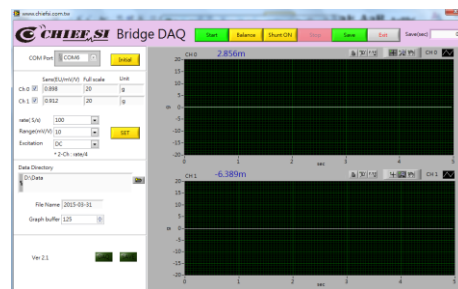# *BridgeDAQ*

The BridgeDAQ is a light and portable device that provides two accurate strain measurement channels. By the provided BridgeDAQ software, users can configure the parameters, measure and log data and even calibrate through built-in shunt. Also, the provided protocol is capable of software development and system integration.

Features:

- Suit for Loadcell、Torque transducer、Strain gauge measurement.
- USB interface and powered.
- 24bit High resolution.
- 800S/sec high measuring speed.
- Rigidity and dusty proof.
- Bridge terminal provided for full/ half/ quarter bridge connection.
- Free BridgeDAQ software provided.
- Protocol provided for software development by user.

Specifications：

Channel	2	Environment	-20 ~ +50℃
Sampling rate (Sample/sec)	800, 400, 200, 100, 40, 10 1/4 sampling rate @2 channels	Protocol	ASCII command, compatible with LabVIEW、C++、VB
Range	10 mV/V	Power supply	Powered by USB
Resolution	24-bit	BridgeDAQ Software	Enable channel
Noise	~0.0002 mV/V @100Hz		Sensitivity & Full scale
Bridge Res.	120Ω, 350Ω, 1000Ω		Sampling rate(S/s)
Shunt cal.	Built-in 100kΩ/Ch		Data logging：CSV format
Excitation	5.0 Vdc		Shunt：support
Auto Balance	Support, Software control		Balance：support
Interface	USB to UART		Graph display：support
USB Cable	1 m, Screw lock Mini USB		Digital display：support
Connector	9-Pin D-Sub Female	Housing Material	Aluminum
Dimension	100 x 62 x 35 mm	Support OS	Windows XP, Win 7, Win 8
Weight	~ 240 g	Terminal	Full/Half/Quarter Bridge