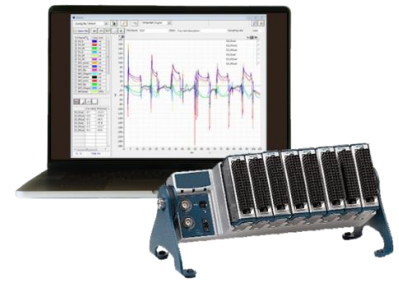


*The total solution for strain measurement.*

# *eStrain Professional*

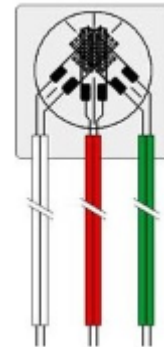


## **Makes accurate strain measurement easy to do :**

Precise strain management is not easy. It is subject to environmental factors requiring the gauge, wire resistance and temperature be adjusted. As a result, users unfamiliar with all aspects of strain management may measure the wrong information. With eStrain, the capacity to correct for lead wire resistance, temperature effects on the wire and gauge, shunt calibration and balance functions are built into the system. Both beginners and experienced professionals can simply sets it up and eStrain provides complete, accurate results.

## **System features :**

- Set up is simple, and it is easy to use.
- Strain correction is complete, providing the most accurate measurement results.
- Simultaneous measurement and flexible channels.
- Built in hardware filter suppresses noise interference.
- Wiring is simple and signal stability is high.
- Supports IPC-9704 PCB measurement and analysis.



## **Applications :**

- Material testing, mechanical testing, drop testing, and the strain of teaching.
- PCB Strain measurements, wafer strain measurements, and concrete strain measurements.
- Civil/ mechanical/ vehicle / biomedical stress measurement.
- Finite element analysis testing and validation.
- Long time stress monitoring for structures.
- Long time stress monitoring for structures.

## Specification :

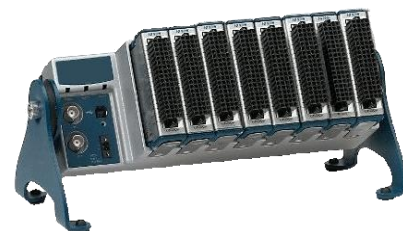
Model	eStrain P1-8-O (Maximum 8 Channels) eStrain P4-X-O (Maximum 32 Channels) eStrain P8-X-O (Maximum 64 Channels) (up to 128 Channels with two sets) (X : Channels, O : Gauge Resistance, 120 或 350)
Input Power	100~240Vac 1A
Interface	USB 2.0
Channels	8, 16, 24, 32, 40, 48, 56, 64
Bridge type	1/4Bridge
Gauge Resistance	120 or 350 $\Omega$ (2-wire/3-wire) Specify the gauge resistance when ordering
Strain Range (ue)	40000
Sampling Rate(each channel)	10k, 5k , 2.5k, 2k, 1k, 500, 200, 100
Simultaneous	Yes
Continuous Recording	Yes (Depends on Disk Space)
Large Files Analysis	Yes (>500MB)
Auto Balance Function	Yes
Shunt Cal.	Yes
Lead wire correct	Yes
Temperature Compensate	Yes(Additional optional temperature Module)
Trigger Function	Yes
Gauge Parameter	GF, Gauge Resistance, Lead wire Resistance
Time Waveform Graph	Yes (4 Y-T Chart)
Meter Display	Yes (64 Self-Define Meter)
XY Graph	Yes
Waveform Zoom Function	Yes
Real time Stress Calculate	Yes
Principal Strain Analysis	Yes
IPC-9704 Strain Rate Analysis	Yes
Output Data format	EXCEL / ASCII
Language	English, Traditional Chinese
Computer Requirements	CPU:P4, RAM:1GB, HD:1GB, USB 2.0
Monitor requirements	1280*800 resolution
Operating system	Windows XP, VISTA, WIN 7, WIN10



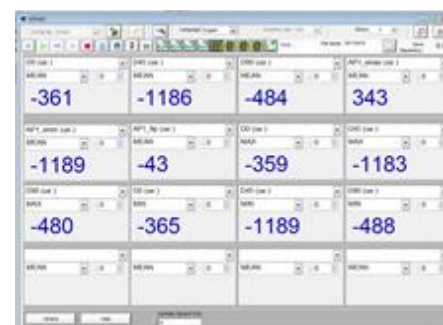
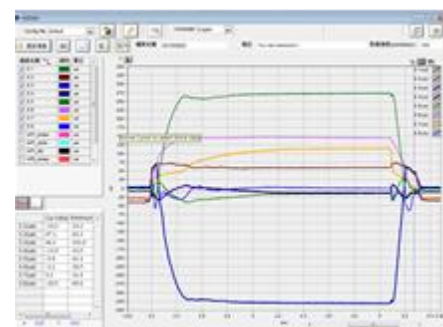
**eStrain P1-8**



**eStrain P4-X**



**eStrain P8-X**



### Optional items :

Bridge Box: Chief BT120 / Chief BT350

Voltage Box: Chief VT10

Strain Training Course: Chief SC01

Wireless Strain Module: Chief WS01



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