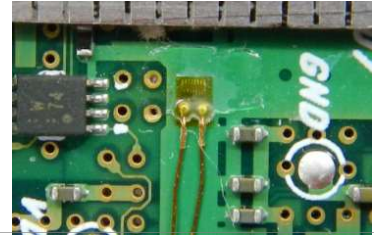
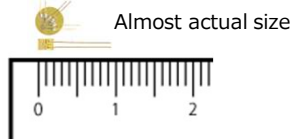
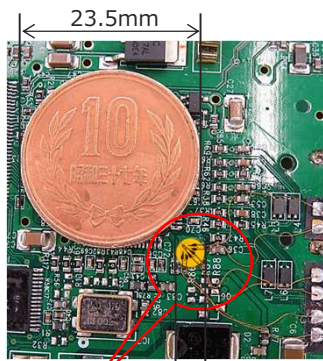


Board strain measurement



When electronic components are mounted on a board, mounting pressure is applied and some strain is generated in the board. Furthermore, the strain is generated when dividing the board as well. **Investigation of what type of strain is generated through the measurement of strain.**

■ Size comparison of a 10-yen coin and a gauge



Almost actual size
Extremely small gauge in millimeters, which can be affixed in a limited space on a board

■ Extended channels setup screen

Monitored value

CH.	Formulas	digit	Unit	Name	GRP.
000	Ex1(CH(1), CH(2), CH(3))	#####	$\mu\epsilon$	EX000	▲▲
001	En1(CH(4), CH(5), CH(6))	#####	$\mu\epsilon$	EX001	▲
002	Gx1(CH(1), CH(2), CH(3))	#####	$\mu\epsilon$	EX002	▲▲
003	Sx1(CH(4), CH(5), CH(6), 210, 0.3)	#####	MPa	EX003	▼
004	Sn1(CH(7), CH(8), CH(9), 210, 0.3)	#####	MPa	EX004	▼▼
005	Tx1(CH(1), CH(28), CH(29), 210, 0.3)	#####	MPa	EX005	▼▼
006	P1(CH(1), CH(2), CH(3))	#####	deg	EX006	ALL
007	(CH(1)+CH(2))/2	#####	$\mu\epsilon$	EX007	CLR
008	(CH(4)+CH(5))/2	#####	$\mu\epsilon$	EX008	
009	(CH(7)+CH(8))/2	#####	$\mu\epsilon$	EX009	

*Image is for illustration purposes.

Trigonometric functions, general functions, functions for rosette analysis etc.



NEW Data Logger
T-ZACCS 9
TS-960

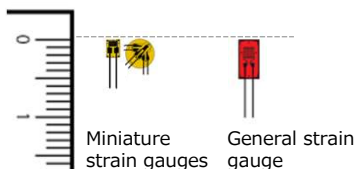
Point

- ✓ 100 channels of functions (extended channels) to obtain calculation results based on computation formulas
- ✓ Wide variety of arithmetic expressions including trigonometric, general, and rosette functions
- ✓ Fastest 0.1 second sampling measurement
- ✓ Measured data are saved on an SD card in CSV format.
- ✓ Images are saved including those drawn on the display (screen capture).

[Examples of products]

Strain Gauges

Single axis : EFLK-02
2-axis : EFCA-05
3-axis : EFRA-05



Type	Gauge size (mm)		Backing size (mm)	
	Length	Width	Length	Width
EFLK-02-11	0.2	0.8	1.6	1.2
EFLX-02-11	0.2	0.8	1.8	1.2
EFCA-05-11-002LE	0.5	0.4	Φ3.8	
EFRA-05-11-002LE	0.5	0.4	Φ3.8	

Measuring the strain of board and prevent troubles

Component mounting



Substrate splitting



Reflow



Measuring the strain that occurs during the mounting/assembly processes, such as board division and reflow, and prevent problems from occurring!

