

T-ZACCS BOX AU-50

T-ZACCS+
Master unit **AU-50M**

T-ZACCS UNIT
Channel unit
AU-10/AU-10-05

Expandable by unit!

“T-ZACCS BOX AU-50”

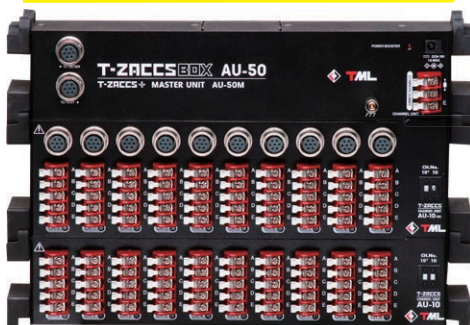
T-ZACCS BOX AU-50 consists of a master unit and a channel unit. AU-50 can be used with TS-360, TDS-540, etc. and can be mixed with conventional switching boxes ASW-50C/SSW-50D. By connecting multiple units, up to 1000 points can be measured.

T-ZACCS BOX AU-50

Master unit

Channel unit : Up to 5 units

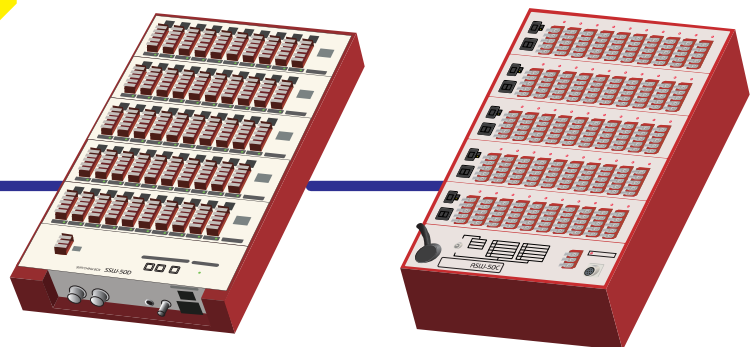
1 to 5 AU-10/AU-10-05 units can be added to AU-50M



Flexible combinations!

SSW-50D

ASW-50C



Total distance between switching boxes: 2 km

T-ZACCS BOX AU-50 Specification

T-ZACCS+

Master unit AU-50M



Measurement capability

Number of measurement points	Channel unit connection	Up to 50 points (5 AU-10 or AU-10-05 units in total)	
Strain measurement	Applicable wiring methods, gauge resistance	Quarter bridge 3-wire 120/240/350Ω	
		Half bridge 120~1000Ω	
		Half bridge common dummy 120~1000Ω	
		Full bridge 120~1000Ω	
		Full bridge constant current 350Ω	
Sensor cable extension range	Full bridge constant current 350Ω	Total cable resistance: 400 Ω or less	
		Sensitivity change	+0.1% to -0.5% for total cable resistance 100 Ω
		Zero stability	±1.0×10 ⁻⁶ strain/°C or less (quarter bridge) ±0.5×10 ⁻⁶ strain/°C or less (half bridge)
Other Specs	Depends on the data logger that can be combined		
DC voltage measurement	Measuring range	Depends on the data logger that can be combined	
	Accuracy	Depends on the data logger that can be combined	
	Input impedance	1MΩ or more	
Thermocouple temperature measurements	Depends on the data logger that can be combined		

Channel unit connection

Compatible model	AU-10/AU-10-05
No. of units connected	Up to 5 units

Data logger connection

Compatible model	TDS-540, TS-360(AU-50MA)
Extension distance	Depends on the data logger to be connected
Connection cable	Switching box connection cable (CR-65)

Power

Supply power	Usually supplied by data loggers		
	When using booster	Dedicated AC power adapter (optional) or external DC power input	
	Supply voltage	AC power adapter AC100-240V 50/60Hz	DC power supply DC 9-18 V

Environment

Operating temperature/humidity range	-10~+50°C 85% RH or less (excluding condensation)
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Other

External dimensions	280 (W)×45 (H)×60 (D) mm (Excluding rubber protectors and protrusions)
Weight	Approx. 800g

Standard accessories

Warranty card	1 copy
Operation Manual	1
Connecting cable	1
Phillips screwdriver	1

Option

AC power adapter	1
For belt fittings 60 mm (AU-50M, AU-10)	TSB-366
For belt fittings 80 mm (AU-10-05)	TSB-368

T-ZACCS UNIT

Channel unit AU-10/AU-10-05



Function

Number of measuring point	10
input terminal	Dual-use screw and solder type
One-touch connector	NDIS One-touch connector (AU-10-05 only)

Power

Supply power	Supplied by TS-360 *AC adapter is required depending on the number of units connected and cable extension
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Environment

Operating temperature/humidity range	-10~+50°C 85% RH or less (excluding condensation)
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Other

External dimensions	AU-10	280 (W)×45 (H)×60 (D) mm
	AU-10-05	280 (W)×45 (H)×80 (D) mm (Excluding rubber protector and projection)
Weight	AU-10	Approx. 600g
	AU-10-05	Approx. 1kg

Standard accessories

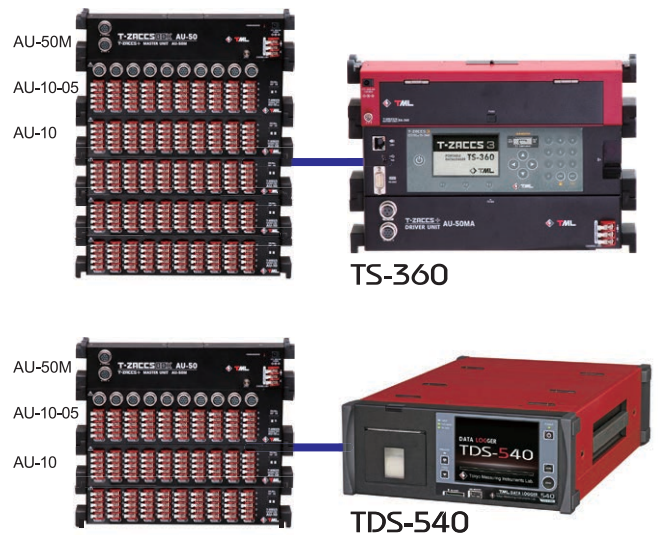
Warranty card	1 copy
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Switching box

T-ZACCS BOX AU-50

AU-50 can also be used with the portable data logger TS-360 and TDS-540.

1 to 5 AU-10/AU-10-05 units can be added to AU-50M



Approval Certificate **ISO9001**
Design and manufacture of strain gauges, strain measuring equipment and transducers

The contents of this catalog are subject to change without prior notice.
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