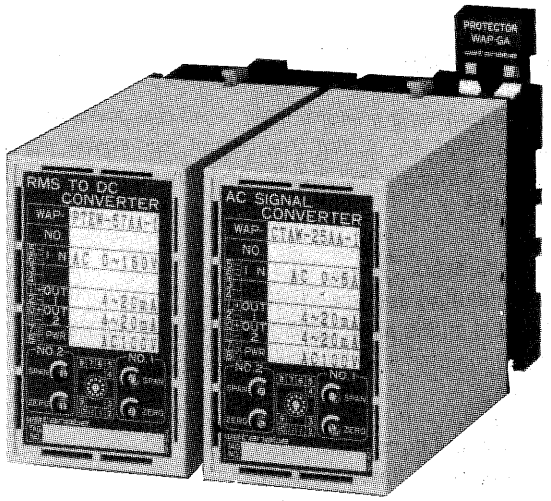
CT CONVERTER (WITH 2 ISOLATED OUTPUTS) WAP- CTEW



CT converter: 50 (W) x 103 (H) x 135.5 (D) mm Approx. 400 g
PT converter: 50 (W) x 84 (H) x 135.5 (D) mm Approx. 400 g

These units are plug-in type signal converters with 2 isolated outputs that convert the secondary outputs of CTs or PTs distributed in power-receiving facilities, power circuits, etc., into instrumentation signals that are suitable for the subsequent transmission. Type CTEW and PTEW provides particularly high reliability against distorted waves, since it follows the true root mean-square value measurement method.

These converters provide an efficient means to feed signals acquired from CTs or PTs to a computer system, as well as to the loop already installed for them.

Features

- The four ports of input, 1st output, 2nd output, and power supply are isolated from one another with a dielectric strength of 2 kVAC.
- The converters deliver signals with low ripple and excellent linearity.
- Constant-voltage or constant-current output, without the need to specify a load resistance.
- Suitable for monitoring power or lighting circuits (Type CTEW & PTEW).
- Plug-in type that helps shorten the time of system installation and maintenance.

Model WAP-□□□□-□□□□□-□

CTEW	CT converter (isolated)	True r.m.s. value type

Power Supply	
1	AC 100 V ± 10%, 50/60 Hz
2	AC 200 V ± 10%, 50/60 Hz
3	DC 24 V ± 10%
4	AC 110 V ± 10%, 50/60 Hz
5	AC 220 V ± 10%, 50/60 Hz

Input signal		
24	AC 0–1 A	Ranges for CT converters
25	AC 0–5 A	
55	AC 0–100 V	Ranges for PT converters
56	AC 0–110 V	
57	AC 0–150 V	
58	AC 0–200 V	
59	AC 0–250 V	
99	Other than the above (Please consult with us.)	

1st Output Signal		Allowable Load Resistance
A	DC 4–20 mA	750 Ω or less
B	DC 1–5 mA	3 KΩ or less
C	DC 2–10 mA	1.5 KΩ or less
D	DC 0–1 mA	15 KΩ or less
E	DC 0–10 mA	1.5 KΩ or less
F	DC 0–16 mA	937 Ω or less
G	DC 0–20 mA	750 Ω or less
H	DC 1–5 V	2.5 KΩ or more
J	DC 0–10 mA	10 KΩ or more
K	DC 0–100 mA	100 KΩ or more
L	DC 0–1 V	500 Ω or more
N	DC 0–5 V	2.5 KΩ or more
P	DC 0–10 V	5 KΩ or more
R	DC ± 10 V	5 KΩ or more
S	Other than the above (Please consult with us.): Voltage output 10 V or less Current output 20 mA or less	

2nd Output Signal		Allowable Load Resistance
A	DC 4–20 mA	300 Ω or less
H	DC 1–5 V	2.5 KΩ or more
N	DC 0–5 V	2.5 KΩ or more
P	DC 0–10 V	5 KΩ or more
S	Other than the above (Please consult with us.)	

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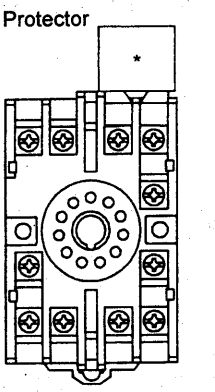
Specifications

Input signal:	DC voltage, DC current
Output signal:	DC current or DC voltage, respectively, for the 1st and the 2nd output
Allowable load resistance:	Within the range specified in the part of Model, respectively, for the 1st and the 2nd output
Accuracy:	±0.2% · fs (at 23℃)
Response time:	500 msec (time to reach 90% of the final value)
Rated frequency:	20 to 1,000 Hz
Isolation:	Among input, 1st output, 2nd output, and power supply, from one another
Dielectric strength:	2,000 VAC for 1 minute among input, 1st output, 2nd output, and power supply
Insulation resistance:	100 MΩ or more among input, 1st output, 2nd output, and power supply
Zero & span adjustment:	±20% · fs each (multi-turn trimmer)
Output limitation:	Approx. 120% · fs (fixed)
Influence of ambient temperature:	Influence on accuracy: ±0.015 % · fs/℃
Influence of supply voltage:	Influence on accuracy: ±0.1% · fs/rated voltage ±10%
Power supply:	100 V, 110 V, 200 V, or 220 VAC ±10% each, 50/60 Hz, 24 VDC ±10%
Power consumption:	Approx. 5 VA (AC)
Input loss:	Voltage: Approx. 1 mA or less Current: Approx. 0.45 VA or less
Operating ambient temperature and humidity:	-5 to +60℃, 90% RH or less (without condensation or icing)
Material of case:	ABS resin (outer covering), Noryl resin (base socket)
Construction and mounting:	Plug-in type. Directly installed or mounted on DIN rails
Connection method:	Coupled to M3.5 x 7 SEMS screws of base socket

Pin and Terminal Assignment



*Mounted on CT converter

No.	Symbol		Description
1	OUT No. 1	+	Output signal
2		-	
3			N.C.
4			N.C.
5	IN	~	Input signal
6		~	
7	POWER	U	Power supply
8		V	
9			N.C.
10	OUT No. 2	+	Output signal
11		-	

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