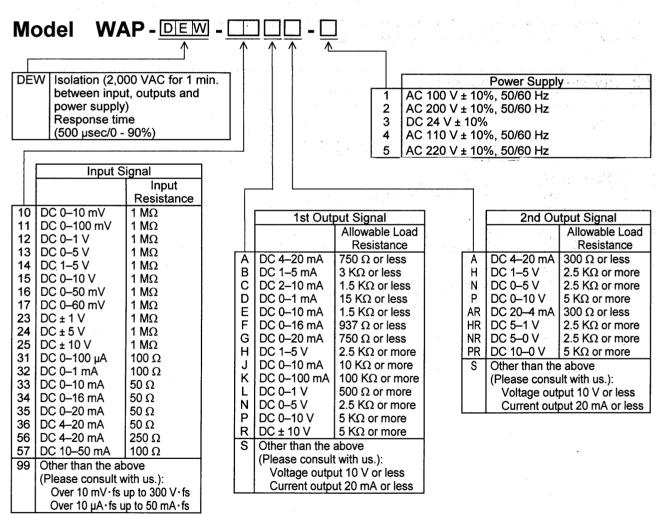


This is a plug-in type isolator with 2 isolated outputs that works with high speed response. It not only isolates signals of diverse levels from other circuits, but also amplifies and converts them into standardized signals that can be handled in measurement control systems in a standardized manner. It provides an effective means for noise immunity.

## **Features**

- Implements the step response of 500 µsec (0 90%).
- Can deliver signals both to the loop installed for it and to a computer.
- The four ports of input, 1st output, 2nd output, and power supply are isolated from one another with a dielectric strength of 2 kVAC.
- Plug-in type that can be mounted on DIN rails by a one-touch action.



## **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:

±0.1% fs (at 23°C)

Response time: Isolation:

500 usec (time to reach 90% of the final value)

Among input, 1st output, 2nd output, and power supply, from one another 2,000 VAC for 1 minute among input, 1st output, 2nd output, and power supply

Dielectric strength:

Insulation resistance:

100  $\mbox{M}\Omega$  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/°C

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, 24 VDC ±10%

Power consumption:

Approx. 5 VA (AC)

Operating ambient temperature and humidity:-5 to +60°C, 90% RH or less (without condensation or icing) Material of case:

ABS resin (outer covering), Noryl resin (base socket)

Dimensions and weight: Construction and mounting: 50 wide x 84 high x 135.5 deep (mm), approx. 400 g Plug-in type. Directly installed or mounted on DIN rails

Connection method:

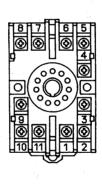
Coupled to M3.5 x 7 SEMS screws of base socket

## **Major Applications**

Safe and accurate measurement of high-potential circuits (Electrolytic baths, electric furnaces, etc.).

Prevention of induction noise infiltration from high-frequency circuits.

## Pin and Terminal Assignment



No.	Symbol		Description
1	OUT	+	Output signal
2	No. 1	•	Output signal
3			N.C.
4			N.C.
5	IN	+	Input signal
6		-	
7	POWER	٦	Power supply
8		٧	
9			N.C.
10	OUT No. 2	+	Output signal
11		-	