

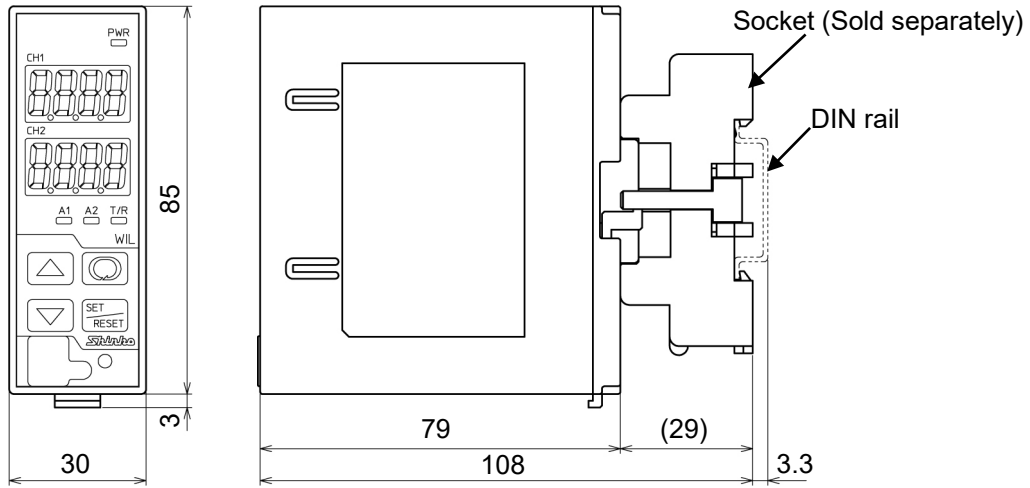
Plug-in Type Digital Indicating ORP Meter
WIL-101-ORP



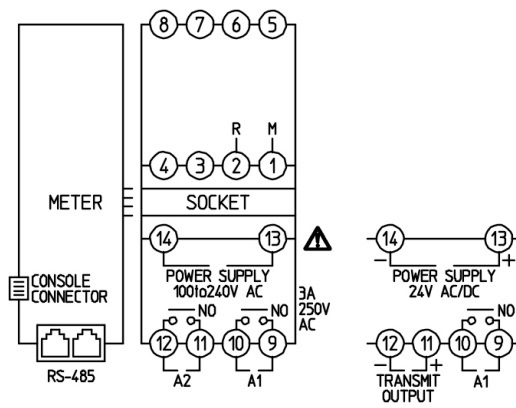
- DIN rail mounted type
- Various settings, calibration operable via software communication (RS-485)
- 24 V power supply available (user-specified)
- Cleansing output function equipped

Name	Plug-in Type Digital Indicating ORP Meter																																		
Model	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">WIL-10</td> <td style="width: 5%;">1</td> <td style="width: 15%;">-ORP</td> <td style="width: 10%;">, □□□</td> <td style="width: 45%;"></td> </tr> <tr> <td>Input points</td> <td>1</td> <td></td> <td></td> <td>1 point</td> </tr> <tr> <td>Input</td> <td></td> <td>ORP</td> <td></td> <td>ORP combined electrode sensor</td> </tr> <tr> <td rowspan="2">Power supply voltage</td> <td></td> <td></td> <td></td> <td>100 to 240 V AC (standard)</td> </tr> <tr> <td>1</td> <td></td> <td></td> <td>24 V AC/DC (*)</td> </tr> <tr> <td rowspan="2">Option</td> <td></td> <td>EVT</td> <td></td> <td>2-points Contact output</td> </tr> <tr> <td></td> <td>TA</td> <td></td> <td>1-point Transmission output, 1-point Contact output</td> </tr> </table> <p>(*) Power supply voltage 100 to 240 V AC is standard. When ordering 24 V AC/DC, enter 1 in Power supply voltage, after 'ORP'. Accessories sold separately: Socket: ASK-001-1 (Finger-safe, Ring terminals unusable)</p>		WIL-10	1	-ORP	, □□□		Input points	1			1 point	Input		ORP		ORP combined electrode sensor	Power supply voltage				100 to 240 V AC (standard)	1			24 V AC/DC (*)	Option		EVT		2-points Contact output		TA		1-point Transmission output, 1-point Contact output
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Option		EVT		2-points Contact output																															
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Measurement range	-1999 to 1999 mV Resolution: 1 mV																																		
Repeatability	Within ±5 mV (at equivalent input)																																		
Linearity	Within ±5 mV (at equivalent input)																																		
Input sampling period	125 ms																																		
Time accuracy	Within ±1% of setting time																																		
ORP inputs for moving average	1 to 120 times																																		
Adjustment value range	-200 to 200 mV																																		
Self-diagnosis	The CPU is monitored by a watchdog timer, and if an abnormal status occurs, the instrument is switched to warm-up status.																																		
Input	ORP combined electrode sensor																																		
Ambient temperature	0 to 50°C																																		
Ambient humidity	35 to 85 %RH (Non-condensing)																																		
Power supply voltage (user-specified)	100 to 240 V AC 50/60 Hz Allowable fluctuation range: 85 to 264 V AC 24 V AC/DC 50/60 Hz Allowable fluctuation range: 20 to 28 V AC/DC																																		
Structure	DIN rail mounted, Case: Flame-resistant resin, Color: Light gray, Front panel: Membrane sheet																																		
Protection structure	Overvoltage category II, Pollution degree 2 (IEC61010-1)																																		
Safety standards	RoHS directive compliant																																		
Dimensions	W30 x H88 x D108 mm (including socket)																																		
Weight	Approx. 200 g (including socket)																																		
Transmission output (TA option)	Converting ORP value to analog signal every input sampling period, and outputs the value in current. If Transmission output high limit and low limit are set to the same value, Transmission output will be fixed at 4 mA DC. Resolution: 12000 Current: 4 to 20 mA DC (Load resistance: Max. 550 Ω) Output accuracy: Within ±0.3% of Transmission output span 1-point Contact output: See 'Contact output (EVT option)'.																																		
Contact output (EVT option)	Relay contact 1a (Bit reading via 2 status flags for 1 output in Serial communication) 2-points Contact output Control capacity: 3 A 250 V AC (Resistive load), 1 A 250 V AC (Inductive load cosφ=0.4) Electrical life: 100,000 cycles																																		

External dimensions
(Scale: mm)



Terminal arrangement



Modular Jack Pin (WIL-101-ORP side arrangement)

No. 1		No. 1	COM
No. 6		No. 2	NC
No. 1		No. 3	YB(+)
No. 6		No. 4	YA(-)
	RS-485	No. 5	NC
		No. 6	COM

M, R: ORP combined electrode sensor terminals
(① - ②)

When EVT option is ordered.

A1: A1 output terminals (⑨ - ⑩)

A2: A2 output terminals (⑪ - ⑫)

When TA option is ordered.

A1: A1 output terminals (⑨ - ⑩)

TRANSMIT OUTPUT:

Transmission output terminals (⑪ - ⑫)

POWER SUPPLY:

Power terminals (⑬ - ⑭)

24 V AC/DC (1 is entered after 'ORP'.)

RS-485: Serial communication modular jack