SPECIFICATION SHEET



CONDUCTIVITY ANALYZER/TRANSMITTER (4 Wire Type)

Model: WDM-136A

FEATURES

- Conductivity analyser/transmitter with digital display
- Cell constant adjustment function providing simple adjustment after sensor replacement. This function can also be used for determining transmitter quality.
- Sturdy cast aluminium alloy casing of rainproof construction.
- Suitable for field installation by using a 50A pipe mounting bracket (which can be affixed to the right or left side of the instrument).

STANDARD SPECIFICATIONS

Product Name : Conductivity analyser/transmitter

Model : WDM-136A

Measurement Object : Ultra pure water ~ General water

Measurement Range

Cell constant	0.01cm ⁻¹	0.1cm ⁻¹	1.0cm ⁻¹	10cm ⁻¹
Meas. range	0.200	2.00	20.0	0.200
	0.500	5.00	50.0	0.500
	1.000	10.00	100.0	1.000
	2.000	20.00	200.0	2.000
	3.00	30.0	300	3.00
	4.00	40.0	400	4.00
	5.00	50.0	500	5.00
	10.00	100.0	1000	10.00
	15.00	150.0	1500	15.00
	20.00	200.0	2000	20.00
Unit	μS/cm	μS/cm	μS/cm	mS/cm

^{*}Measured value is standardized at 25°C.

Indication : Digital LCD display

Characteristics (exclusive of sensor)

Linearity : Within ±0.5%FS, 1 digit (equivilant

load)

Temperature Compensation

Temperature range : -5~120°C

Temp characteristics : Conductivity versus temperature

characteristics of NaCl solution.

Accuracy : Within ±1.0%FS, 1 digit (sensor

excluded)



Ambient Conditions

Temperature : -20~55°C Humidity : 99%RH or less

Output : Isolated from input, 4~20mV DC

(max. load 650Ω)

Power Requirements : 90~132V AC, 50/60Hz

Power Consumption : Approx. 3VA
Construction : Field installation (IP55)
Mounting : 50A pole mount

Material

Main body : Aluminium alloy casting

Window : Glass

Paint Colour : Metallic silver and blue

Related Equipment

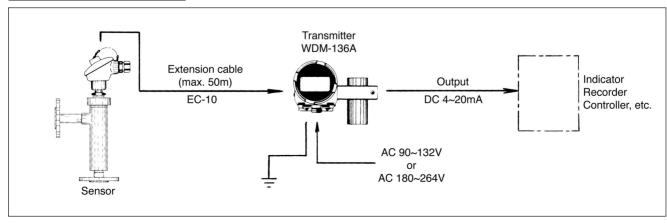
Extension cable : EC10 (max. 50m)
Sensor : Type A, WS etc.

Temp. comp. element : $5k\Omega/25^{\circ}C$ thermister or $1k\Omega/0^{\circ}C$

white gold resistance

Weight : Approx. 3kg.

SYSTEM CONFIGURATION

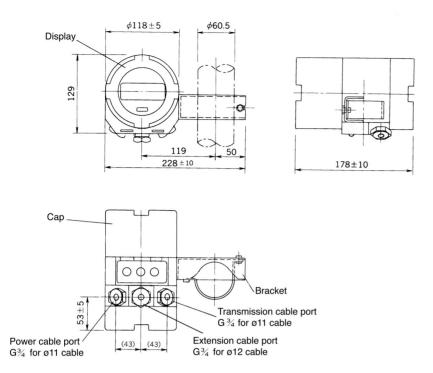


^{*}S/m unit is available.

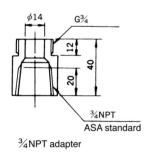


DIMENSIONS

Unit: mm



• Connection to conduit (optional)

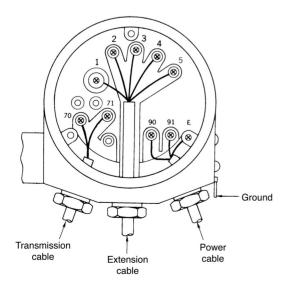


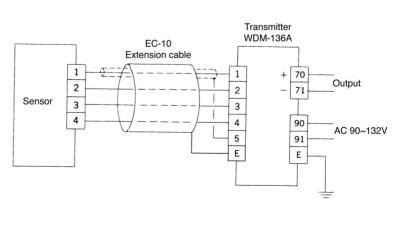
C1 ϕ 15 \overline{c} \overline{c}

G3/4

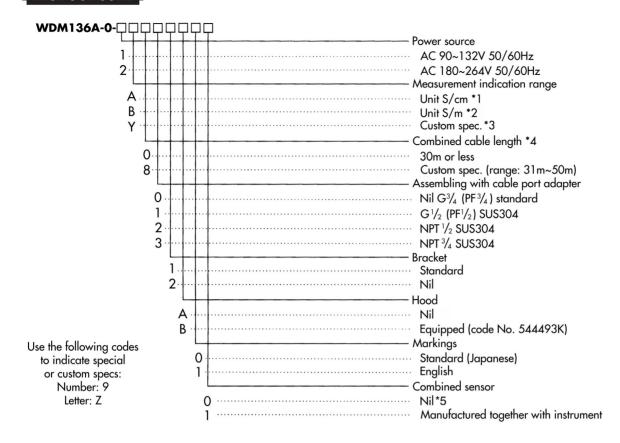
G¹/₂ adapter

TERMINAL CONNECTIONS





PRODUCT CODE



*1. (unit: cm)

Measurement indication range		Cell constant
0~0.200/0.500/1.000/2.000/3.00/4.00/5.00/10.00/15.00/20.00	µS/cm at 25°C	0.01cm ⁻¹
0~2.00/5.00/10.00/20.00/30.0/40.0/50.0/100.0/150.0/200.0	μS/cm at 25°C	0.1cm ⁻¹
0~20.0/50.0/100.0/200.0/300/400/500/1000/1500/2000	μS/cm at 25°C	1.0 cm ⁻¹
0~0.200/0.500/1.000/2.000/3.00/4.00/5.00/10.00/15.00/20.00	mS/cm at 25°C	10.0 cm ⁻¹

*2. (unit: m)

Measurement indication range		Cell constant
0~20.0/50.0/100.0/200.0/300/400/500/1000/1500/2000	μS/m at 25°C	1.0 m ⁻¹
0~0.200/0.500/1.000/2.000/3.00/4.00/5.00/10.00/15.00/20.00	mS/m at 25°C	10 m ⁻¹
0~2.00/5.00/10.00/20.00/30.0/40.0/50.0/100.0/150.0/200.0	mS/m at 25°C	100 m ⁻¹
0~20.0/50.0/100.0/200.0/300/400/500/1000/1500/2000	mS/m at 25°C	1000 m ⁻¹

- *3. Specify measurement ranges required and measurement ranges for factory testing/calibration (available ranges included above).
- *4. Model EC-10 also needs to be purchased for extension cable (max. length 50m).
- *5. If the combined sensor is not purchased at the same time as the main instrument, you need to provide us with information on the sensor to be used (such as serial number, date of purchase, etc.).

Notes:

- 1. Temperature compensation range is -5~120°C (including ultra pure water temperature compensation).
- 2. Temperature display is -5~120°C (no output).
- 3. Ingress protection rating is IP55 (IP65 is also available as a special version).
- 4. Only AC power. Use model WDM-135A if DC 24V operation (2-wire) is required.



BARGRAPH METER RELAY

 Model
 : 1914

 Output Signal
 : 4~20mA DC

Alarm Outputs : High-high, high, low, low-low.

(Contact rating: 125V, 0.5A)

Scale : Specify with purchase order.

Scale Length : 100mm

Display : Red LED, 101 dots.

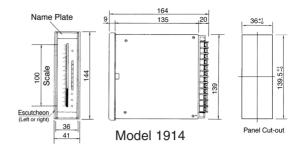
Power Requirements : 85~264V AC, 50/60Hz

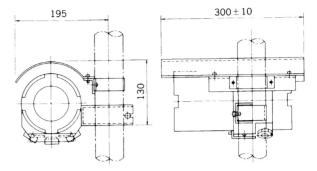
Power Consumption : Approx. 7VA
Ambient Conditions : 0~45°C, 40~80% RH
Weight : Approx 420g

SUN-SHADE

(For protection from direct sun-light)

Material : 304 Stainless Steel
Mounting : 50A Pipe bracket
Code Number : 544493K





DKK-TOA CORPORATION



Do not operate products before consulting instruction manual.

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Information and specifications are for a typical system and are subject to change without notice.