



# VePure ECM Series

## Conductivity / Resistivity Meter



ECM-100



ECM-200

### FEATURES

- High accuracy:  $\pm 1\%$ FS of reading
- Medium temperature between 5 ~ 120 Degree C
- Microprocessor based industrial controller used to computation of the measured conductivity and resistivity values.
- Large LCD screen to display EC/RS and temperature values and also system error indication.
- Automatic temperature compensation.
- Dual relays for both HI and LOW alarm control.
- Isolated 2 channel 4-20mA output and Communication interface RS485.
- 2 sets of relays , High and Low switching

### APPLICATION

- Water
- Pure Water
- Wastewater
- Chemical
- Other

### SPECIFICATIONS

MODEL	ECM-100	ECM-200
<b>Measuring Range</b>	0.01 $\mu$ S/cm ~ 20 $\mu$ S/cm (Electrode: K=0.01) 0.1 $\mu$ S/cm ~ 200 $\mu$ S/cm (Electrode: K=0.1) 1.0 $\mu$ S/cm ~ 2000 $\mu$ S/cm (Electrode: K=1.0) 1mS/cm ~ 20mS/cm (Electrode : K=10.0) 100mS/cm ~ 200 mS/cm (Electrode: K=30.0) Temp: -10 ~ 130 C	
<b>Working Condition</b>	0~65 C	0~70 C
<b>Resolution</b>	0.01 $\mu$ S/cm ; 0.01M $\Omega$ ; 0.1ppm	
<b>Accuracy</b>	$\pm 1\%$ FS $\pm 0.1$ C	
<b>Output</b>	2 Channel 4-20mA , Current output load: MAX 750 $\Omega$	
<b>Relay</b>	2 Relay , MAX. 230V , 10A(AC)	
<b>Communication</b>	RS485 Modbus RTU	
<b>Power Supply</b>	AC 220V $\pm 10\%$ 50Hz	
<b>IP Protection</b>	IP65	
<b>Installation</b>	Panel mounted / Wall mounted	
<b>Dimension</b>	96 x 96 x 132 mm	144 x 144 x 115 mm

# DDG Series

## Online EC Sensor



**DDG - 0.01 / 0.1 / 1.0**

### DDG-0.01 / 0.1 / 1.0 (Pipe Thread)

<b>Measuring Range</b>	0.01μS/cm ~ 20μS/cm (K=0.01)
	0.1μS/cm ~ 200μS/cm (K=0.1)
	1.0μS/cm ~ 2000μS/cm (K=1.0)
<b>Connection</b>	Pipe/Hose/Flanged Pipe/ETC..
<b>Pressure</b>	0 ~ 6 bar
<b>Temperature Comp</b>	PT1000
<b>Temperature</b>	0-50 C
<b>Body Material</b>	316L/Titanium alloy/Alloy platinum
<b>Process Connection</b>	Φ6, Φ8, Φ14, ½ or ¾ Thread
<b>Cable</b>	Low-Noise Cable



**DDG - 0.01 / 0.1 / 1.0**

### DDG-0.01 / 0.1 / 1.0 (Pipe Thread)

<b>Measuring Range</b>	0.01μS/cm ~ 20μS/cm (K=0.01)
	0.1μS/cm ~ 200μS/cm (K=0.1)
	1.0μS/cm ~ 2000μS/cm (K=1.0)
<b>Connection</b>	Pipe/Hose/Flanged Pipe/ETC..
<b>Pressure</b>	0 ~ 6 bar
<b>Temperature Comp</b>	PT1000
<b>Temperature</b>	0-50 C
<b>Body Material</b>	316L/Titanium alloy/Alloy platinum
<b>Process Connection</b>	Φ6, Φ8, Φ14, ½ or ¾ Thread
<b>Cable</b>	Low-Noise Cable



**DDG-F - 0.01 / 0.1 / 1.0**

### DDG-0.01F / 0.1 / 1.0 (Compression)

<b>Measuring Range</b>	0.01μS/cm ~ 20μS/cm (K=0.01)
	0.1μS/cm ~ 200μS/cm (K=0.1)
	1.0μS/cm ~ 2000μS/cm (K=1.0)
<b>Connection</b>	Pipe/Hose/Flow cell/ETC..
<b>Pressure</b>	0 ~ 6 bar
<b>Temperature Comp</b>	PT1000
<b>Temperature</b>	0-120 C
<b>Body Material</b>	316L/Titanium alloy/Alloy platinum
<b>Process Connection</b>	Compression-Type
<b>Cable</b>	Low-Noise Cable

# DDG Series

## Online EC Sensor



**DDG - 0.01 / 0.1 / 1.0**

### DDG-0.01 / 0.1 / 1.0 (Compression)

Measuring Range	0.01 $\mu$ S/cm ~ 20 $\mu$ S/cm (K=0.01)
	0.1 $\mu$ S/cm ~ 200 $\mu$ S/cm (K=0.1)
	1.0 $\mu$ S/cm ~ 2000 $\mu$ S/cm (K=1.0)

Connection	Pipe/Hose/Flow cell/ETC..
Pressure	0 ~ 6 bar
Temperature Comp	PT1000
Temperature	0-120 C
Body Material	316L/Titanium alloy/Alloy platinum
Process Connection	Compression-Type
Cable	Low-Noise Cable



**DDG - 10.0 / 30.0**

### DDG-10.0 / 30.0 (Seawater / TDS)

Measuring Range	0 $\mu$ S/cm ~ 20,000 $\mu$ S/cm (K=10.0)
	30mS/cm ~ 600mS/cm (K=30.0)
	Temp: 0 ~ 60 C

Accuracy	$\pm$ 0.1 pH
Pressure	0 ~ 2 bar
Temperature Comp	PT1000
Temperature	0-60 C
Body Material	Poly sulfone and Platinum
Process Connection	1 1/2 or 3/4 NPT Pipe Thread
Cable	Low-Noise Cable



**DDG - 0.01 Resistivity**

### DDG-0.01 Resistivity (Pipe Thread)

Measuring Range	0.01M $\Omega$ /cm ~ 20.00M $\Omega$ /cm
	(K=0.01)

Connection	Pipe/Hose/Flanged Pipe/ETC..
Pressure	0 ~ 6 bar
Temperature Comp	PT1000
Temperature	0-50 C
Body Material	316L/Titanium alloy/Alloy platinum
Process Connection	$\Phi$ 6, $\Phi$ 8, $\Phi$ 14, 1/2 or 3/4 Thread
Cable	Low-Noise Cable