GAIMC

GEC-EC485
Digital Conductivity Sensor
Product Manual

Xi 'an Gavin Electronic Technology Co., Ltd

DESCRIPTION ////

GEC-EC485 digital conductivity sensor is a new generation of intelligent water quality detection digital sensor independently developed by our company. Without a host, directly measure the conductivity value (or TDS value) and temperature value in the solution, and transmit the output 4-20mA signal to the back-end equipment. It can also be connected to the RS485 interface, and connected to the computer through the MODBUS protocol to realize monitoring and recording. It has the characteristics of high precision, good stability, long service life, rapid response and low maintenance cost. It is widely used in continuous monitoring of conductivity (or TDS) and temperature in industries such as thermal power, chemical fertilizer, metallurgy, environmental protection, pharmaceutical, biochemical, food and tap water.

FEATURES ////

- High accuracy and good stability
- Wide measurement range (maximum 300ms/cm)
- Direct output RS485 and 4-20mA
- Automatic temperature compensation
- IP68 protection grade
- Power failure protection > 10 years

PARAMETERS ////

Measuring range	0～20ms/cm(Customized 300ms/cm)
Accuracy	±2%F.S
Temperature range	0～60℃
Temperature accuracy	±0.3℃
Output	4-20mA，RS485(Modbus)
Power supply	12VDC/24VDC
Protection grade	IP68
Installation thread	G3/4

TYPE SELECTION ////

GEC-EC485	□	□	□	Note
Range	0.01			0～20us/cm
	0.1			0～200us/cm
	1.0			0～2000us/cm
	10.0			0～20000us/cm
	30.0			0～300ms/cm
Power supply		12		12VDC
		24		24VDC
Cable length			05	5m(standard)
			**	Customized

NOTE: GEC-EC485-0.1-12-15
GEC-EC485 digital conductivity sensor，0～200us/cm，12VDC，15m cable.

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