

## Conductivity/TDS/Temp Industrial Online Controller 6312CTB

### Features

- Graphic LCD with manual backlight displays conductivity/TDS, temperature, relay status and transmitter current mA output simultaneously.
- Convenient one point calibration and calibration data is stored in memory and is ready for use on power up.
- Two sets of Isolated and reversible 4-20 mA current output for conductivity and temperature allows it to be used as a proportional output.
- 2 programmable on/off relays conductivity.
- RS-485 output for remote access allows multiple units to be connected and ganged together.
- Password protection.
- IP65.

**New**



### Specifications

	Range (conductivity / TDS)	Resolution (conductivity / TDS)	Accuracy
K=0.01cm <sup>-1</sup>	0.000~9.999uS/cm / 0.000~5.000ppm	0.001uS/cm / 0.001ppm	±0.5%FS±1 digit
	10.00~99.99uS/cm / 5.00~50.00ppm	0.01uS/cm / 0.01ppm	±0.5%FS±1 digit
	100.0~300.0uS/cm / 50.0~150.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
K=0.1cm <sup>-1</sup>	10.00~99.99uS/cm / 5.00~50.00ppm	0.01uS/cm / 0.01ppm	±0.5%FS±1 digit
	100.0~999.9uS/cm / 50.0~500.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
	1.000~3.000mS/cm / 0.500~1.500ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
K=1.0cm <sup>-1</sup>	100.0~999.9uS/cm / 50.0~500.0ppm	0.1uS/cm / 0.1ppm	±0.5%FS±1 digit
	1.000~9.999mS/cm / 0.500~5.000ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
	10.00~30.00mS/cm / 5.00~15.00ppt	0.01mS/cm / 0.01ppt	±0.5%FS±1 digit
K=10.0cm <sup>-1</sup>	1.000~9.999mS/cm / 0.000~5.000ppt	0.001mS/cm / 0.001ppt	±0.5%FS±1 digit
	10.00~99.99mS/cm / 5.00~50.00ppt	0.01mS/cm / 0.01ppt	±0.5%FS±1 digit
	100.0~300.0mS/cm / 50.0~150.0ppt	0.1mS/cm / 0.1ppt	±0.5%FS±1 digit
Temperature	-10.0~120.0°C	0.1°C	±0.3°C
Temperature Compensation	Auto -10.0~120.0°C (Thermistor, 10K ohm at 25.0°C).		
Cell Constant	0.01,0.1, 1.0, 10 cm <sup>-1</sup> , 2 wire or 4 wire.		
Reference Temperature	From 10.0 to 29.0°C, user selectable.		
Temperature Coefficient	From 0.00 to 4.99%, user selectable.		
Output	Two current outputs for conductivity and temperature.		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear		
Maximum Load / Isolation Voltage	500 ohm / 500V DC.		
Control Type / Relay Output	2 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50°C.		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

### Accessories

392-122	K=0.01cm <sup>-1</sup> , range: 0~20uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-126	K=0.1cm <sup>-1</sup> , range: 0~200uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).



392-125	K=1.0cm <sup>-1</sup> , range: 0~10mS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
012-200-00	Waterproof enclosure