

# Conductivity / Resistivity / Temp Industrial Online Controller/ Transmitter 3321/3331

## Features

- Easy to install 1/8 DIN plastic casing.
- Clear LCD displays conductivity, resistivity or temperature with backlight.
- Universal power supply input from 100-240VAC.
- Automatic or manual temperature compensation.
- Two sets of programmable on/off relays for conductivity or resistivity (3321).
- Isolated and reversible 4-20mA current output for conductivity or resistivity allows it to be used as a proportional output (3331).
- RoHS compliant.

**New**



## Specifications

	Range	Resolution	Accuracy
$K=0.01\text{cm}^{-1}$	0.000~1.999uS/cm / 0.50~19.99MΩ	0.001uS/cm / 0.01MΩ	±0.5%FS±1 digit
	2.00~19.99uS/cm / 0.05~0.50MΩ	0.01uS/cm / 0.01MΩ	±0.5%FS±1 digit
$K=0.1\text{cm}^{-1}$	0.00~19.99uS/cm	0.01uS/cm	±0.5%FS±1 digit
	20.0~199.9uS/cm	0.1uS/cm	±0.5%FS±1 digit
$K=1.0\text{cm}^{-1}$	0.0~199.9uS/cm	0.1uS/cm	±0.5%FS±1 digit
	200~1999uS/cm	1uS/cm	±0.5%FS±1 digit
	2.00~19.99mS/cm	0.01mS/cm	±0.5%FS±1 digit
Temperature	-10.0~120.0°C	0.1°C	±0.3°C
Temperature Compensation	Manual / Auto -10.0~120.0°C (Thermistor, 10K ohm at 25.0°C).		
Cell Constant	0.01, 0.1, 1.0 $\text{cm}^{-1}$ , 2 wire.		
Reference Temperature	25.0°C, factory set.		
Temperature Coefficient	2.00 or 0.00 %, user selectable.		
Control Type / Relay Output	2 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Current Output Range / Scale(3631)	4 to 20 mA (isolated) / Liner		
Maximum Load	500 ohm		
Isolation Voltage	500 VDC		
Display	LCD, with backlighting.		
Power	100~240V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50°C.		
Case	1/8 DIN case, 90mm depth.		

## Accessories

392-122	$K=0.01\text{cm}^{-1}$ , range: 0~20uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-126	$K=0.1\text{cm}^{-1}$ , range: 0~200uS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
392-125	$K=1.0\text{cm}^{-1}$ , range: 0~10mS/cm. (stainless steel body, POM housing, NPT3/4" thread, 5 meters cable, with 10K thermistor).
012-150-00	Waterproof enclosures