



EK-C358/C358B/C358C On-line Insulation Monitor

Product Function

Online monitoring of insulation resistance for cables, motors, switches, electrical appliances and other electrical equipment and insulation materials.

Product Features

1. The testing must be carried out when the tested circuit is not live.
2. Insulation resistance testing for up to 8 channels.
3. With manual measurement and RS485 remote measurement modes, and Bluetooth control measurement mode (only EK-C358B).
4. EK-C358C is equipped with dry contact input/output signal, which can control the monitor testing and alarm signal output. Equipped with built-in sound and light alarm function.



Technical Specification

Model	EK-C358	EK-C358B	EK-C358C
Power Supply	DC 12V-24V (External power supply)		
Display Screen	0.96 inch LCD; display area: 21.7mm × 10.9mm		
Output Voltage	500V	50V, 100V, 250V, 500V, customizable	50V, 100V, 250V, 500V, 1000V, customizable
Short Circuit Current	2mA Max	2mA Max	5mA Max
Resistance Range	0.1MΩ ~ 10GΩ	0.1MΩ ~ 20GΩ	0.1MΩ ~ 20GΩ
Measurement Mode	Manual measurement, RS485 remote measurement	Manual measurement, RS485 remote measurement, Bluetooth control measurement	Manual measurement, RS485 remote measurement
Test Time	60 seconds	Insulation resistance: 20 seconds, Dielectric Absorption Ratio: 1 minute, Polarization Index: 10 minutes. Test time can also be controlled via communication from 1 second to 10 minutes.	Insulation resistance: 20 seconds, Dielectric Absorption Ratio: 1 minute, Polarization Index: 10 minutes. Test time can also be controlled via communication from 1 second to 10 minutes.
Communication Mode	RS485 communication	RS485 communication, Bluetooth communication	RS485 communication
Transmitted Data	Insulation resistance value, Dielectric Absorption Ratio	Insulation resistance value, output voltage, leakage current, Dielectric Absorption Ratio, Polarization Index	Insulation resistance value, output voltage, leakage current, Dielectric Absorption Ratio, Polarization Index, dry contact input/output
Number of Test Channels	1 ~ 8 channels	1 ~ 8 channels	1 channel
Alarm Function	-	-	Yes, 0 ~ 999 MΩ, 0 is off
Automatic Test Function	-	-	Yes, 0 ~ 999 hours, 0 is off
Fast Discharge Function	-	-	Yes
Dry Contact Control	-	-	Yes
Accuracy	±5%rdg ±5dgt		
Indicator Lights	Power indicator, test indicator, RS485 communication indicator, alarm indicator (only EK-C358C)		
Buttons	Test button, test parameter setting button, meter address setting button		
Installation Method	DIN rail mounting or screw mounting		
Power Consumption	Standby 0.8W, Max 12W		
Meter Dimensions	169mm × 104mm × 73mm		
Meter Weight	Approx. 0.6kg (including package)		
Operating Temperature & Humidity	-20℃ ~ 60℃; below 80%RH		
Accessories	Monitor: 1 PC; 5P wiring terminal: 1 PC; 8P wiring terminal: 1 PC (only EK-C358C)		

