

TH2685A/TH2686A Electrolytic Capacitor Leakage Current Meter

Features

- General-purpose instrument for production line use
- Direct reading mode of voltage and current
- Fast charge speed
- Easy operation



TH2685A



TH2686A

Brief Introduction

■ TH2685A/TH2686A electrolytic capacitor leakage current meter is a measurement instrument automatically measuring parameters of electrolytic capacitor leakage current with continuous-adjustment measurement voltage, analog meter indication of voltage and current, automatic conversion of charge and measurement, max. measurement voltage of 200V for TH2685A, 500V for TH2686A, max. current of 30mA, max. charge current of 200mA, and max. charge time of 1 minute. With the features of current's over-limit indication, high measurement speed, easy operation, safety and reliability, the meter is suitable for electrolytic capacitor's incoming inspection and quality control on production line.

General Specifications

Operating temperature & humidity		0°C—40°C, ≤90%RH
Power supply	Voltage	198V—242V
	Frequency	47.5Hz—63Hz
Power consumption		≤ 50VA
Dimensions (W×H×D)		350mm×135mm×277mm
Weight	TH2685A	Approx. 3.5kg
	TH2686A	Approx. 4.2kg

Specifications

	TH2685A	TH2686A
Measurement function		
Control mode	Analog circuit control	
Range mode	Manual knob conversion	
Voltage mode	Charge, measurement, discharge	
Trigger mode	Automatic trigger and charge for capacitance that hasn't been charged.	
Measurement terminal	2-terminal	
Display	V, I analog meter indication, 100μA current meter	
Measurement voltage		
Measurement voltage	0—10V, 0—50V, 0—200V (random)	0—200V, 0—500V (random)
Voltage accuracy	±2% of set value ± 0.5 divisions	
Measurement current		
Measurement current range	11 bins from 1 to 30mA: 0-0.3uA, 0.2uA-1uA, 1uA- 3uA, 2uA-10uA, 10uA-30uA, 20uA-100uA, 0.1mA-0.3mA, 0.2mA-1mA, 1mA-3mA, 2mA-10mA, 10mA-30mA	
Current accuracy	±2% of reading ± 0.5 division	
Max. charge current	200 (1±20%) mA	
Charge time		
Charge time range	0.5, 1, 2, 3, 4, 5, 7, 10, 30, 60, manual control	
Time accuracy	Accuracy: ±5%, ±10% (at bin of 60 seconds)	
Comparator		
Current comparison limit	Random setting in meter range	
Comparator	PASS/FAIL, with beeper alarm	

Ordering Information

TH2685A Electrolytic Capacitor Leakage Current Meter
TH2686A Electrolytic Capacitor Leakage Current Meter

Instrument Accessories

TH26003 2-terminal test fixture
TH26004C 2-terminal test cable

Options

TH26015 leakage group test fixture

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