



DELTA UNITED

Hipot Meter

AC:0~5000V / DC:0~6000V

Applied Features

- 3 in 1 tester with AC, DC, IR functions (IR function is optional for DU332/333only)
- Meet UL, CSA, TÜV, VDE, CE,... safety test requirements
- ARC Detction: DU331/332/333 Standard function
- 240x64 Dot Graphic LCM, CFL back light display
- Fast cut-off time : 0.4ms
- 100 sets of memory
- 8 Ports ± phase for DU-333



DU-332



Innovative Programmable Hi-Pot Tester

DU-331/DU-332/DU-333

Meet UL, CSA, TÜV, VDE, CE,...safety test requirements

Output Voltage AC: 0 ~ 5000V / DC: 0 ~ 6000V DU-331 AC, DU-332 & DU-333 AC/DC

Arc detect AC: 0.01mA ~ 15.00mA / DC: 0.01mA ~ 7.50mA

IR testt (Option) DC: 100V ~ 1000V / 1 ~9999 MΩ for DU-332 & DU-333

Scan Test 8 Ports ± phase for DU-333

Features

- Large LCD Display Window for Setups and Test Values
- Output Frequency 50/60 HZ Selectable
- All Initial Default Function Setting can be Changed Easily to Fit Requirement
- Easy Manual Driven with Cursor Guiding Operation Mode
- Battery Backup Function will Recall the Test Parameter Settings before Power off
- Large Memory (100 sets) for Setup Steps & Parameters
- Each Memory offers 9 steps of different Test Parameters
- Test mode: Single Step, Multiple Steps (Step by Step), Test Circle Number or Continuous Test are Programmable
- DU333 is designed for Multi-point Scan Test
- DU331/DU332 can perform Multi - point Test when used with Scan Box DU330



DU-333





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Order Information

- DU-331 Hi-Pot Tester (AC)
- DU-332 Hi-Pot Tester (AC/DC/IR)
- DU-333 Hi-Pot Tester (AC/DC/IR/ 8ch Scan)
- DU-330 8ch Scan Box

Standard Fittings

- Fx33-0101 HV test lead wires
- Fx33-0102 HV test lead wires

Option Accessories

- Fx33-0201 HV test lead box
- Fx33-0301 HV test bat
- Fx33-0302 HV test bat
- Fx33-0601 ARC Fixture
- Cr33-RS00 RS-232 interface
- Cr33-SC00 Scan interface for Scan box DU-330
- Of33-IR00 Insulation Resistance Test (Option for DU-332/DU-333 only)

Fx33-0101
HV test lead wiresFx33-0301
HV test batFx33-0102
HV test lead wireFx33-0302
HV test batFx33-0201
HV test lead boxFx33-0601
ARC Fixture

Specifications

Model	DU-331/DU-332/DU-333
Scan Test	DU-333 8 Ports \pm phase
Withstanding Voltage Test (DU-331 AC, DU-332 & DU-333 AC/DC)	
Output Voltage	AC: 0 ~ 5,000V / DC: 0 ~ 6,000V. Digital setting (4 digits), 10V/ step, adjustable with < / > keys
Voltage Regulation	$\leq 1\% + 5V$
Waveform&Frequency	Sine Wave 50Hz / 60Hz selectable
Voltmeter Accuracy	4 digits, $\pm 1\%$ of reading +5 digits
Output Current	AC : 0.01mA ~ 15.00mA, DC: 0.01mA ~ 7.5mA
Current Meter Accuracy	4 digits, $\pm (1.5\%$ of reading + 5 digits)
Arc Detection	0.5mA ~ 15mA (DC 0.5 mA ~ 7.5 mA)
Function	0.01mA / Steps. (0.0 mA is OFF)
Test Time	0.5 ~ 999.9 Sec (± 20 mS), 0.1sec / Steps. (0.0 sec is OFF)
Ramp up Time	0.1 ~ 999.9 Sec (± 20 mS), 0.1sec / Steps. (0.0 sec is OFF)
PASS/FAIL	Windows comparator system
Judgement	HI-limit: 0.10 ~ 15.00mA, Digital setting (4 digits), 0.01mA / Steps LO-limit: 0.05 ~ 7.50mA, Digital setting (4 digits), 0.01mA / Steps Arc Detection: 0.5mA ~ 15mA (0.5 ~ 7.50mA), 0.01mA / Steps (LO-limit & Arc Detection setting 0.0mA is OFF)
Judgement Accuracy	$\pm (1\%$ of setting + 50 μ A)
Insulation Resistance Test (Option for DU332 / DU333 only)	
Measuring Voltage	DC: 100 ~ 1,000V, Digital setting, 10V / steps
Voltmeter Accuracy	4 digits, $\pm 1\%$ of reading +5 digits
Measuring Range	1 ~ 9,999 M Ω
Measuring Accuracy	$\geq 500V$: 1~1000M Ω , $\pm 5\%$ of reading $\geq 500V$: 1001~9999M Ω , $\pm 15\%$ of reading <500V: 1~200M Ω , $\pm 10\%$ of reading <500V: 201~9999M Ω , $\pm 15\%$ of reading
Judgement	0.1 ~ 999.9 Sec (± 20 mS),
Waiting time	0.1sec / Steps. (0.0 sec is OFF)
PASS/FAIL	Windows comparator system.
Judgement	Both HI and LO limit values can be set with the measuring range. Note: When the lower limit value is greater than 2000 M Ω , a judgement waiting time of 1.0 second or more is necessary.
Judgement Accuracy	Same as measuring accuracy
Test Time	0.5 to 999.9 sec. (± 20 mS), 0.1sec/Steps.(0.0 sec is OFF)

Test Modes	
Auto Test	Up to 9 test steps with different test parameters
Single Test	Execution withstanding voltage test or insulation resistance test.
Auto Scanning Test	Linked with Model DU330 Scan Box, it performs auto test for objects having two or more points. (Optional Scanner Interface and Box are required)
Output Power Source Protection Function	
Fast Output Cut off	< 0.4ms
Panel Operation Lock	YES
Power On Data Rally	YES
Reset Protection Key	YES
Other Function	
Display	240x64 Dot Graphic LCM, CFL back light display
Signal Output	PASS, FAIL, and TEST with relay contact signal
Data Hold	YES
Judgement Result	Display PASS/ FAIL and Alarm
Memory Storage	01 to 99, 99 sets of memory, each set of memory includes 9 steps
Remote Control	9 Pins D-type connector, TEST/RESET/RMT_ENABLE
Interlock Function	The test voltage cannot be generated unless the interlock input terminal is short-circuited
Ambient Temperature and Relative Humidity	
Specifications range	5 to 35°C (41 to 95°F), 20 to 80%RH
Operable range	0 to 40°C (32 to 104°F), 20 to 80%RH
Storage range	-20 to 70°C (4 to 158°F), $\leq 80\%$ RH
Power Requirement	
Line Voltage	A: 90 ~ 110V B: 104 ~ 125V C: 194 ~ 236V D: 207 ~ 250V
Frequency	50 or 60 Hz
Power	When no-load: < 70 VA,
Consumpt	When with Rated Load: > 300 VA
Insulation Resistance	$\geq 30M\Omega$, with 500V DC
Withstanding Voltage	1,000 VAC, for 1 minute
Dimension	DU-331 / DU-332 365(W) x 105(H) x 350(D) mm, DU-333 365(W) x 165(H) x 350(D) mm
Weight	DU-331: Approx. 10kg DU-332: Approx. 11kg DU-333: Approx. 15kg
Accessories	Operation Manual, Power cord, 3P-2P AC adapter plug, High test lead wire / 1 meter long, 2A Fuse / fast blow(in fuse holder), Certificate of calibration

DU-330
8ch Scan Box