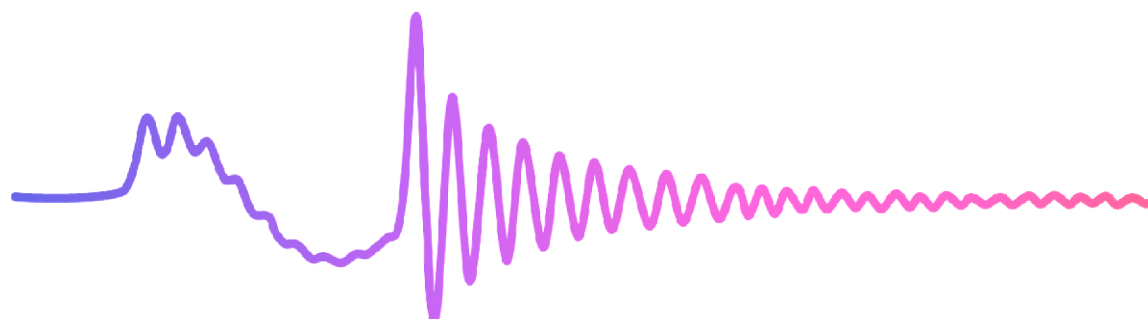


Ultra Low Inductance Coil • High Speed Test Specification !

Apply 180V or more to 100nH test with 10ms/1pulse. ¹



NEW

DWX-300LI3a max.300V For 1 μ H or more

DWX-01LI3a max.1000V For 1 μ H or more

For coils of 1 μ H or less, please refer to the attached document
“DWX-300LI3a Maximum Applied Voltage (Target Value).”

For evaluation test: It can be used for detailed evaluation test of coil parts.

For high speed test: Test time is 10 ms without judgment and 18 ms with judgment.

1 (Pulse impression 1 pulse · without judgment · Fastest time without screen display)

Patent pending

Features

- The model is specialized in insulation test of chip power inductor coil.
- 4 terminal test circuits can be performed sufficiently with applied high voltage to ultra-low inductance coil.
Maximum 150 V (screen display value) can be applied to a coil of minimum 100nH. DWX-300LI3a
- Due to 2 times waveform sampling resolution of conventional testing machine, detailed response waveform is displayed.
For ideal in-coil insulation test, high-speed inspection equipment for high-speed operation of good / defective judgment "Test mode", and "Breakdown test mode" for detailed evaluation are built in one unit.
- With 1 pulse application without judgment, high speed operation can be performed with shortest test time of 10 msec, and it can be used in mass production line.

Specification

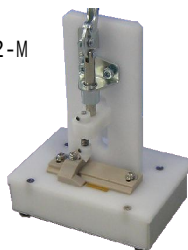
Usege	Low inductance · High voltage	
Inductance range	L-LO : 0.01 μ H ~ 1 μ H L-HI : 1 μ H ~ 100 μ H 2range switching	
Test voltage range (for 1 μ H or more)	DWX-300LI3a : 1V ~ 300V DWX-01LI3a : 3V ~ 1000V	
Set voltage resolution	DWX-300LI3a : 0.1V step DWX-01LI3a : 0.3V step	
Measured voltage resolution (minimum)	DWX-300LI3a : 0.2V/dgt. DWX-01LI3a : 1.0V/dgt.	
Maximum applied voltage (reference)	See the attached graph for the maximum applied voltage range (target value) 2	
Maximum output voltage (no load)	L-LO : 5000V L-HI : 2500V 2range switching	
Waveform sampling frequency·resolution	Maximum 300MHz · 3.3nsec/sample	
Sampling range (Width)	7ranges, manual switching	
Number of application pulses (Pulse)	PreCheck 1pulse Test pulse: 16pulses max.	
Minimum test time (1pulse / no screen display)	High-speed mode With judgment: 18msec Without judgment: 10msec	
	Tester mode With screen display: 108msec Without screen display: 53msec	
Judgment function / output signal	Waveform Area (Area)	NG
	Waveform Difference Area (Dif.Area)	NG
	Peak Voltage stability (PeakStb.)	NG
	Laplacian (Laplacian)	NG
	Attenuation rate (Qdmp%)	NG
	Contact check	CE
	Breakdown voltage evaluation test (BDV)	-
	Manual breakdown voltage evaluation test (Manual BDV)	-
Test circuit	4 terminals	
Test cable length range	Within 2m (recommended: 1.6m)	
Additional function	Number of master waveform memory 196 models	
	External control by extended RS-232C and I/O	
External I/O control signal	Impression trigger (Trig)·Application termination (Index) etc. High-speed interface timing support for inspection handlers	
Appearance dimension (excluding carrying handle)	345(W) × 185(H) × 360(D)	
Power supply voltage	AC100/115/220/240 ±5% Changeable	
Optional accessories	Test cables, various fixtures, and item-by-item judgment output I/O	

Option

DWX-01LI-OP1



DWX-01LI-OP2-M



Various test cables

- 4-terminal box-type cable
- SMA cable for handler equipment
- BNC cable for handler equipment
- Please contact us

[NOTICE]

■ Specifications · Design may be changed without notice due to reasons such as improvement. ■ For the convenience of printing, there may be a difference in color and texture etc. In the actual product with the photograph described in the catalog. ■ I will make an effort to describe accurate information about the contents of this catalog, but if there should be any mistakes, etc. noticed points, please inform our sales department.

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DWX-300LI3a Maximum applied voltage range (target value) *2

This indicates the maximum voltage that can be applied to each inductor.

An air-core coil without a core is used for the coil.

(If a core is used, it depends on the characteristics of the coil)

