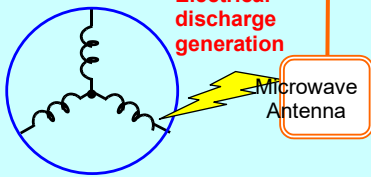


DWX-05PD Outline

Impulse winding tester



Impulse Surge
0.5kV~5kV



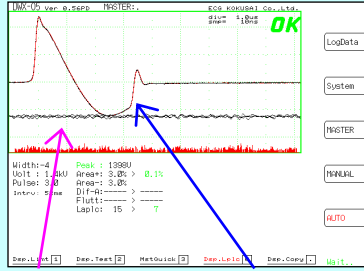
Coil to be examined
(Motor, etc.)

Micro wave sensor
Amplifier circuit

Electrical discharge generation

Microwave Antenna

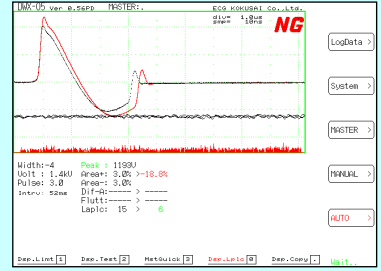
Screen of DWX-05PD



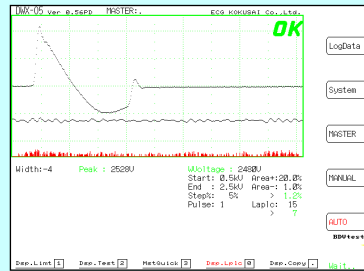
PD waveform

Voltage waveform

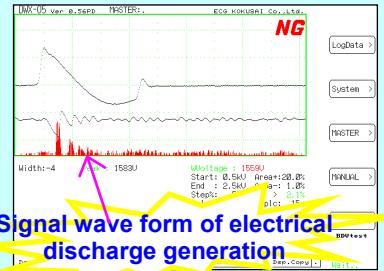
Waveform gap by layer short



Normal Coil



NG by PD appearance



Signal wave form of electrical discharge generation

DWX-05PD Specification

● Impulse examination part	
Range of examination inductance	10μ or more (recommendation)
Sampling speed	8 bit / 10 nano-sec. (100MHz)
Sampling memory	8192-byte
Impressed voltage	500V~5000V (100V step)
Examination input circuit (impedance)	Resistance division (5MΩ)
● Partial electrical discharge test part	
Micro wave sensor	Sensing with PD electromagnetic wave by a narrowband plane patch antenna
Detection sensitivity	-90db~-30db Within 30cm from item to be examined
Antenna size/cable length between main parts	W = 80mm H = 80mm D = 10mm cable length = 2m
● Common portion	
Screen display	640 × 480dot 8.4 inch TFT color liquid crystal
Range of wavy display	512 × 256dot
Judgment method	Area of a comparison system waveform with a master waveform Area of wavy difference, Comparison judgment by amount, etc. of electrical discharge Partial electrical discharge generation voltage (PDIV) The automatic examination of extinction voltage (PDEV). Those with partial discharge generating No judging Electric discharge level , generation probability judgment etc.
Master wave form storage method	Internal memory: 196 Types / Compact Flash Memory: 700 Types
External interface	Parallel I/O (Start, Reset, OK, NG, Busy) RS-232C (Examination control ,test data I/O) Printer·port (Screen Hard copy) Ether Net (Option)
Externals size	W = 342mm H = 188mm D = 355mm Weight 12kg
Operating condition	0°C~40°C、Power-supply voltage : 100V~240V ±5%

ECG-KOKUSAI ECG KOKUSAI CO., LTD.

3-33-6 Shinmeidai, Hamura-Shi, Tokyo
205-0023 JAPAN

TEL : +81-42-554-5383

FAX : +81-42-555-7380

http://www.ecginc.co.jp