

T-218

Automatic Portable Transformer Demagnetization Tester

The T-218 is a fully automatic transformer demagnetization tester which performs three-phase transformer and single-phase and three-phase power transformers demagnetization. Transformer magnetic core demagnetization requires the application of AC current with magnitude decreasing to zero. T-218 provides this AC current by internally changing the polarity of a controlled DC current. During the demagnetization process, the instrument supplies the current at decreasing magnitude for each step, following a proprietary algorithm. The principle of the option is to apply a constant current of alternate polarities to the transformer winding, as per the IEEE 0062 1995 standard.

T-218 has a built-in proprietary algorithm for calculating remanent magnetism after the demagnetization. The instrument measures initial flux before demagnetization, maximum flux during demagnetization, and remanent flux after demagnetization. This feature provides useful information about the state of magnetic core after the demagnetization, and assures user that demagnetization process is successful. it enables safe and efficient power transformer demagnetization.

Features

1. Easy to operate;
2. Demagnetize faster;
3. 7 inch touch TFT color LCD;
4. 0.38KV-800KV transformer;
5. Designed for rugged field use;
6. High power, with 8m test cable;
7. Auto test or manual test optional;
8. Support residual magnetism detection;
9. Suite for 3 phase & 1 phase transformer;
10. Portable and lightweight, weight only 5 kg;
11. Demagnetize current 5A, 1A, 200mA(10A, 20A, 50A optional);
12. Automatic current stabilization judgment, 16 bit A/D data acquisition and processing function;



Application

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| 1. Universities; | 2. Power plant; |
| 3. Research institutes; | 4. Electrical testing center; |
| 5. Transformer manufacturers; | 6. Voltage transformer factory; |
| 7. Railway electrical department; | 8. Power engineering commissioning company; |
| 9. Electricity power bureau & power company; | 10. Electrical Department of industrial and mining enterprises; |

Parameters

Electrical parameters	
Power supply	Single phase AC 220V±10% or 110V±10%, 50/60HzAC
Cooling way	intermittent air cooled
Current output	200mA, 1A, 5A (10A, 20A, 50A optional)
LCD	7 inch touch TFT color LCD
Test Cable	8m or customized
Demagnetization progress	0-100%
Test method	Manual or auto
Test time	Faster 2minutes /nomal 10 minutes /manual 4minutes
Degree of protection	IP65
Standard	LVD 2014/35/EU , EN 61010-1:2010 Directive 2014/30/EU, EN 61326-1:2013, IEEE 0062 1995
Mechanical parameters	
Dimension (L×W×H) (mm)	280 x 250 x 160
Weight (kg)	3
Environmental conditions	
Operating temperature	-20°C to 55°C
Storage temperature	-40°C to 70°C
Relative humidity	≤85%RH