Corona Discharge Checker



Immediate detection of insulation deterioration under hot line condition!

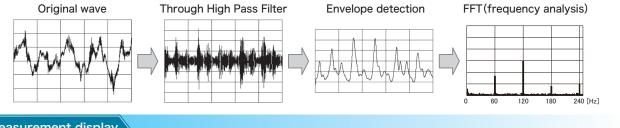




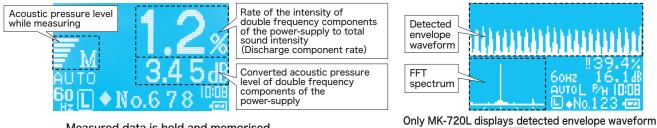
Measuring principle

Broadband ultrasound is emitted with corona discharge due to insulation deterioration at AC powered facilities. Since the intensity of the emitted ultrasound varies periodically with alternative voltage, double frequency components of power-supply appears prominently in frequency analysis after envelope detection of the received ultrasonic wave.

MK-720 series can detect corona discharge without effects of ambient noises by evaluating the intensity of double frequency components of the power-supply.



Measurement display



Measured data is hold and memorised.

and FFT spectrum.

Specifications

| Model | | MK-720L-E | МК-720-Е |
|--------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Detecting frequency | | Central frequency 40kHz | |
| Detecting directionality | | ±8° | |
| Functions | | Display of discharge component rate, Display converted value in accoustic pressure Alarm based on discharge component rate, Measuring point indication with laser pointer (Laser pointer light intensity Class 2 IEC 6825-1) | |
| | | Peak hold mode Display of measured wave and FFT spectrum | |
| Measurement sensitivity of Discharg (Discharge measurement:equivalent | | 20 % and more at 2 meters distance, 6% and more at 8 meters distance | 15 % and more at 1 meter distance |
| Data Discharge component rate, Converted | value in accoustic pressure | Max. 200 values | Max. 500 values |
| memory Received ultrasound waveform , FFT, | rop10 | Max. 70 values | Max. 10 values |
| Output | | Buzzer by setting level excess Signal output terminal (ø3.5mm mini jack) USB port for memory data output (USB mini B socket) | |
| Power supply | | AA dry alkaline battery 4 pcs(over continuous 7 hours use) | |
| Dimensions • Net weight | | W 174 x H 272 x D 98mm Approx.370g(excluding batteries) | |
| Measuring ambinent | | 0 - 40°C, 10 - 85%RH(non condensing) | |
| Standard configuration | | Main unit, AA dry battery x 4, USB cable, Software (CD)*2, Earphone, Strap, Instruction manual, Inspection sheet | |
| Option | | Soft case(MK-9702), Carrying case(MK-9703), Reference oscillator(MP-161) | |

*2 MK-720 series software requires English OS for Windows? Windows? 7, Windows *8, 8.1 and Excel* 2003 relater

&Windows®, Windows Vista®, Windows® 7, WIndows ®8, 8.1 and Excel® 2003 are registered trademark of Microsoft Corporation in the United States and other countries.

*All specifications data contained in this catalog are subject to change without notice



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