

IGR Leakage Analyzer



Innovative Insulation(MΩ) Measurement on live low power-line!

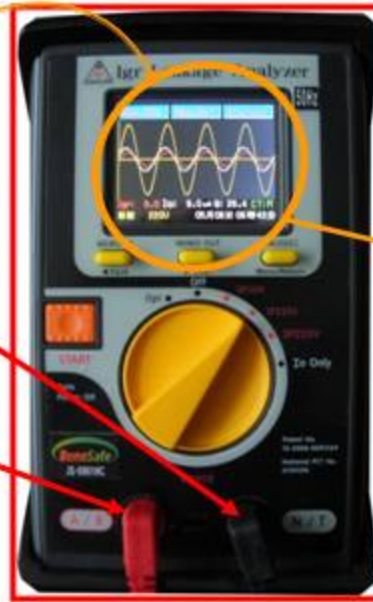
Korea Patented : 10-0876651

IGR Analyzing Concept

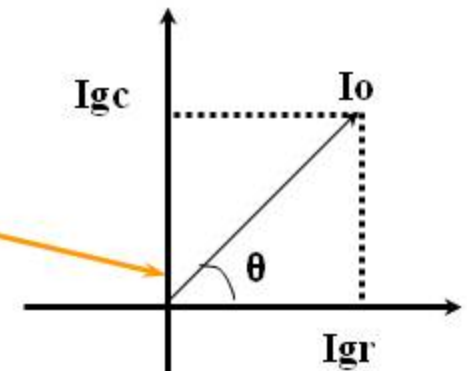
World Best Product!

- ✓ Calculated value = Measured value
- ✓ Non-effective to harmonics & noise
- ✓ Displaying Igr, Igc, Io, θ, MΩ, V

IGR Leakage Analyzer



Vector Diagram



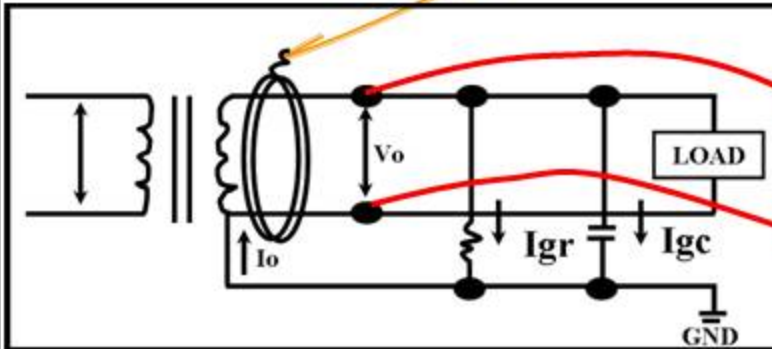
Calculation Formula

$$I_o = \sqrt{(I_{gr})^2 + (I_{gc})^2}$$

$$I_{gr} = I_o \times \cos\theta$$

$$I_{gc} = I_o \times \sin\theta$$

$$R = V / I_{gr}$$



TFT Color Display

Touch Screen

SD Memory Card

Specification

Measuring Items		Description		
Rated Power Configuration	1φ2w 110V ~240V	Io Range	0.0 ~ 300 mA	±3%rdg ± 5dgt
			301 ~ 1,000 mA	±4%rdg ± 3mA
		Igr Range	0.0 ~ 300 mA	±3%rdg ± 5dgt
			301 ~ 1,000 mA	±5%rdg ± 5mA
	3φ3w Delta 200V ~220V	Io Range	0.0 ~ 300 mA	±2%rdg ± 5dgt
			301 ~ 1,000 mA	±5%rdg ± 5mA
Igr Range	0.0 ~ 300 mA	±3%rdg ± 5dgt		
	301 ~ 1,000 mA	±5%rdg ± 5mA		
Frequency		50 / 60 Hz		
Clamp Type and CT Diameter		Middle : 40mm Φ (Normal), Large : 68mmΦ (Option)		
Internal Battery		AA 1.5V * 4		
Insulation Endurance		AC 5 kVrms (50/60 Hz) / 1 min		
Power consumption		3 Watt		
Memory		1 GB SD Memory		
Display Contents		Full Color TFT LCD Io, Igr, Igc : mA / Gr : MΩ / Volt : V / phase angle : θ		
Menu Driven Method		Touch Screen and Push Button		
Certification		CE Marking, EN61326-1, EN61326-2-2, EN61010-1		

Applications

- ◆ Measure insulation resistance on live power-line.
- ◆ Analyzing resistive and capacitive leakage current.
 - electric company, power plant, telecom company, hospital, chemical, street light, under-water facility, broadcast, military, railroad, semiconductor tool, data center, mobile company, university, art center

Customers

KEPCO(Korea Electric Power Corporation), Korea Power Service Co., KEPCO Data Network Co., Local Gov. office, Samsung semi-factory, Hyundai-hospital, Military Academy, KBS(Korea Broadcast Station), MBC, Art center, Electric safety Co., Petroleum chemical Co., Research Lab. Expressway Co., Nuclear & Thermal Power Plant



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