

# Application Questionnaire - AC Dielectric Test Systems



**PHENIX**  
**TECHNOLOGIES**

75 Speicher Drive  
Accident, MD 21520 USA  
Phone: 301-746-8118  
Fax: 301-895-5570  
info@phenixtech.com  
www.phenixtech.com

Date:

## Customer Information:

Company Name:

Address:

Contact Name:

Email:

Telephone:

Fax:

## Description of Test Object:

Power Cable Type

Switchgear

Coupling Capacitors

GIS / GIC

Power Factor Capacitors

Transformers (Applied Test)

Generators

Condenser Bushings

Other

## Test Requirements:

Production Test

IEEE

AEIC

IEC

Other Details

## Partial Discharge:

<10 pC (Unless specified, all AC sets are rated at <10 pC at full voltage)

pC at  kV  pC at 100% of rated voltage

## Test Loads & Partial Discharge Requirements:

| Voltage Class [kV] | Load Capacitance [ $\mu$ F] | Load Resistance [M $\Omega$ ] | Test Voltage [kV] | PD Sensitivity [pC] |
|--------------------|-----------------------------|-------------------------------|-------------------|---------------------|
|                    |                             |                               |                   |                     |
|                    |                             |                               |                   |                     |
|                    |                             |                               |                   |                     |

Customer's requirements:  kV @  milliamps

**Test Requirements: (continued)**

**Duty Cycle:**

Standard: 5 min ON / 15 min OFF

Other, Specify below:

\_\_\_\_\_ kV      \_\_\_\_\_ kVA      \_\_\_\_\_ min ON      \_\_\_\_\_ min OFF      \_\_\_\_\_ # cycles per day  
\_\_\_\_\_ kV      \_\_\_\_\_ kVA      \_\_\_\_\_ min ON      \_\_\_\_\_ min OFF      \_\_\_\_\_ # cycles per day

---

**System Requirements:**

**Test System Input Voltage:**  +/-  %      **Input Frequency:**  Hz

**Operating Conditions:**  Indoor     Outdoor – Fair weather only     Outdoor – All weather

**Mobility:**     Fixed Location     Casters     Mobile Package

**Environmental Specifications:**

Altitude:  meters      Ambient Temperature Range:  to  °C

Relative Humidity:  %

Special Conditions:

**Controls/Instrumentation:**

Analog                      Digital                      PLC                      Computer Control

**Cabinet:**

Control Console                      NEMA                       Bench Top

---

**Options:**

Tapped Secondary, at  kV                      Burn Feature, Needs

**Other:**

PD Measurement System                      On-Site Commissioning                      Training

**Comments:**