

# Impulse Voltage Test System



## Questionnaire

Quotation number: \_\_\_\_\_  
(Will be filled in by Samgor)

### Customer Information

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Placing location/Country: \_\_\_\_\_

### A. Technical Part

#### Application

Test shop       Research institute       Mobile on-site

#### Test Objects

Distribution transformers   
 Power transformers   
 Shunt reactors   
 Instrument transformers   
 Surge Arrestors   
 Disconnectors/Switchgears   
 Insulators   
 Bushings   
 Power Cables   
 Capacitors   
 Others: \_\_\_\_\_

#### Technical Data

Capacitive test objects-lightning impulse voltage

Load case	Impulse (IEC 60060-1)	Peak value	Chopping time (if required)	Capacitance of the test object From...to...
	μs/μs	kV	μs	nF
1				
2				
3				

Capacitive test objects-switching impulse voltage

Load case	Impulse (IEC 60060-1)	Peak value of the impulse voltage		Capacitance of the test object From...to...
		Positive polarity	Negative polarity	
	μs/μs	kV	kV	nF
1				
2				
3				

Inductive test objects(transformer tests)-lightning impulse voltage

Load case	impulse	Peak value	Chopping time	Transformer data			Coil data			
				phases	Circ.	Freq.	Nom. Volt.	Nom. power	Imped. Volt.	Cap.of the coil
	μs/μs	kV	μs	1/3	Y/Δ	Hz	kV	MVA	%	nF
1										
2										
3										

Inductive test objects(transformer tests)-switching impulse voltage

Load case	impulse	Peak value	Transformer data			Coil data			
			phases	Circ.	Freq.	Nom. Volt.	Nom. power	Imped. Volt.	Cap.of the coil
	μs/μs	kV	1/3	Y/Δ	Hz	kV	MVA	%	nF
1									
2									
3									

Recommended voltage and energy:

Total charging voltage: \_\_\_\_\_kV

Total charging energy: \_\_\_\_\_kJ

**Stage Voltage Preferred**

100kV/stage       200kV/stage       300kV/stage

**Sphere Gap Operate by**

Air Pressure Adjustment       Gap Distance Adjustment

**Digital Measuring Analyzer System**

Sampling rate 100MHz, resolution 12 bit

Sampling rate 100MHz, resolution 14 bit

Number of channels      2       4

**Impulse Voltage Divider**

Weak Damped Capacitive Divider  High Damped Capacitive Divider   
 Resistive Voltage Divider

**Chopping Gap** (required for transformer tests)

Yes  No

**Steep Wave Generator** (required for insulator tests)

Yes  No

**Supply Conditions** (for the feeding of the impulse test system)

Mains voltage	...../..... V
Frequency Hz	
Available power	
Single-phase kVA	
Three-phase kVA	
Star point earthed	Yes <input type="checkbox"/> No <input type="checkbox"/>

**Test Field**

Layout(L*W*H),if application for test shop*	Test field	m*m*m	
Ambient conditions	Altitude above sea level	m	
	Min. ambient temperature	°C	
	Max. ambient temperature	°C	
	Relative humidity	%	

\*A drawing about the layout of the test field is preferred.

**Other requirements:**

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**B. Commercial Part**

**Purpose of the Enquiry**

Budget planning  Standard quotation  Tender

**Quotation Required**

Within 1 week       Within 2 weeks       Within 1 month

**Binding Period of the Quotation**

3 months       Other: \_\_\_\_\_

**Delivery Base according to Incoterms 2010**

EXW       FOB       CIF

**Requested Delivery Period**

.....months after order

**Warranty Period Required**

1 year       2 years       5 years       Other: \_\_\_\_\_

**Space for Remarks**

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