

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:

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

.....
.....