

TECHNICAL QUESTIONNAIRE 1.102/1

Resonant Test Systems

Please, fill in or stick your name card

Name	Quotation No.:
Company/Institution:	
Telephone:	(will be filled in by HIGHVOLT)
Fax:	e-mail:
Date:	

In order to offer and deliver a HV test system, optimized for your purposes and conditions, we ask for your cooperation to fill-in this form. Thank you!

Performance of the resonant test system

- series resonant system ☐ - parallel resonant system ☐

Test objects

- HV cables ☐ - gas-insulated switchgears (GIS) ☐

- other test objects:

Kind of the test

- routine tests ☐ - type tests ☐

- other tests:

Required data for the resonant test system

Max. output voltage: kV (single phase against earth)

Min. output voltage: kV for which the requirements of IEC 60-1 concerning the voltage shape, the voltage raise speed and the adjustment accuracy must be fulfilled.

Load cases

load case	output voltage	capacitance of test object		operation mode			
				continuous operation	short-time operation		
		min.	max.		ON	OFF	load cycles
	kV	nF	nF		min	min	per day
1.							
2.							
3.							
example	350	30	600		30	30	4

(Extend this table if necessary!)

If you want a reactor with voltage taps (max. 3) for an optimal adaptation of test power to test voltage, we would advise you readily.

Do you want tapping switch-over

- manually ☐ - motor-driven ☐

Please turn over!

Control

basic control ☐

computer-aided measuring
control and evaluation system ☐

Requirements concerning the PD behavior of the resonant test system

yes ☐ no ☐

- PD-level < pC up to kV

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Supply conditions for the feeding of the resonant test system

	low-voltage mains	medium-voltage mains
mains voltage / V / kV
frequency Hz	
available power: single-phase kVA kVA
three-phases kVA kVA

Additional equipment

HV measuring system	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
PD measuring system	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
Screened test room (Faraday-cage)	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
HV filter	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
LV filter	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
tan δ measuring equipment	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
Oil cup end termination system	yes	<input type="checkbox"/>	no	<input type="checkbox"/>
Water end termination system	yes	<input type="checkbox"/>	no	<input type="checkbox"/>

Other equipment:

Erection of the resonant test system at site

Supervision desired yes ☐ no ☐

Space for remarks:

For further information please contact:

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