

TECHNICAL QUESTIONNAIRE 1.103/2

Control Upgrade of Resonant Test System

quotation number
(will be filled in by HIGHVOLT)

PERSONAL DATA

name: * _____

company / institution: * _____

phone: _____

e-mail: * _____

fax: _____

APPLICATION (of HV test system)

* mandatory fields

performance of the resonant test system

series resonant system parallel resonant system

test objects

HV cables gas-insulated switchgears (GIS)

other test objects: _____

type of the test

routine tests type tests

other tests: _____

set of circuit diagrams (control and HV circuit) attached yes no

requirements concerning the PD behavior of the resonant test system yes no

PD level < _____ pC up to _____ kV

PD level < _____ pC up to _____ kV

INFORMATION ABOUT EXISTING HV SYSTEM

resonant reactor

year of manufacture: _____

manufacturer: _____

- construction tank type modular type
- tapping switch-over manually motor-driven

		input	output		
			tap 1	tap 2	tap 3
rated voltage	kV				
rated power	kVA				
frequency	Hz				

exciting transformer

year of manufacture: _____

manufacturer: _____

- construction built in reactor tank external
- tapping switch-over manually motor-driven

		input	output			
			tap 1	tap 2	tap 3	tap 4
rated voltage	kV					
rated power	kVA					

regulating transformer year of manufacture:

		input	output
rated voltage	kV		
rated power	kVA		

high-voltage divider year of manufacture:

coupling capacitor year of manufacture:

standard capacitor year of manufacture:

		high-voltage divider	coupling capacitor	standard capacitor
rated voltage	kV			
rated capacity	nF			

SUPPLY CONDITIONS (for the feeding of the resonant test system)

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

REQUIREMENTS FOR NEW CONTROL AND MEASURING SYSTEM

CONTROL (more information at Catalog Sheet 1.52, see www.highvolt.de)

basic control BC5 computer control CMS22 advanced computer control CMS23

REMOTE DIAGNOSTICS AND ACCESS RDA23 (Data Sheet 1.56) yes no

MEASURING EQUIPMENT (The peak voltmeter MU18 is already part of the upgrade.)

PD measuring system yes no

tan δ measuring equipment yes no

transient recorder for AC tests yes no

CALIBRATION OF HV MEASURING yes no

system (existing calibration is not valid any more due necessary to change of peak voltmeter)

REQUIREMENT FOR INSPECTION AND INTERFACE CLARIFICATION

before quotation no

SPACE FOR REQUIRED ADDITIONAL EQUIPMENT AND REMARKS

For further information please contact:

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