



TECHNICAL QUESTIONNAIRE 1.103/1

Control Upgrade of Resonant Test System

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 new control and measuring system to an existing HV test system, optimized for your purposes and conditions, we kindly ask for your cooperation to fill-in this form with parameters of the existing one and your demands for the upgrade. Thank you!

1) Application of HV test System

1.1 Performance of the resonant test system

- series resonant system - parallel resonant system

1.2 Test objects

- HV cables - gas-insulated switchgears (GIS)

- other test objects:

1.3 Kind of the test

- routine tests - type tests

- other tests:

1.4 Set of circuit diagrams (control and HV circuit) attached yes no

1.5 Requirements concerning the PD behaviour of the resonant test system

yes no

- PD-level < pC up to kV

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2) Information about existing HV System

2.1 Resonant reactor year of manufacture: manufacturer:
 construction: tank type modular type
 tapping switch-over manually motor-driven

	input	output		
		Tap1	Tap2	Tap3
rated voltage	..... kV	..... kV	.....kV	..... kV
rated power		..... kVA		
frequency		..... Hz		

2.2 Exciting transformer year of manufacture: manufacturer:
 construction built in reactor tank external
 tapping switch-over manually motor-driven

	input	output			
		Tap1	Tap2	Tap3	Tap4
rated voltage	..... kV	..... kV	..... kV	..... kV	..... kV
rated power		..... kVA			

2.3 Regulating transformer year of manufacture:

	input	output
rated voltage	..... kV	..... kV
rated power		..... kVA

2.4 High-voltage divider year of manufacture: Coupling capacitor year of manufacture: Standard capacitor year of manufacture:

rated voltage	..... kV	rated voltage	..... kV	rated voltage	..... kV
rated capacity	..... nF	rated capacity	..... nF	rated capacity	..... nF

2.5 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		.... Hz
available power: single-phase	..... kVA	..... kVA	..... kVA
three-phases	..... kVA	..... kVA	..... kVA

3) Requirements for new control and measuring System delivered by HIGHVOLT

3.1 Control (more information at Data Sheet 1.52, see www.highvolt.de)

basic control BC5 computer control CMS22
 advanced computer control CMS23

3.2 Remote diagnostics and access RDA23 (Data Sheet 1.56) yes no

3.3 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

3.4 Calibration of HV measuring yes no

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

4) 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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