

## TECHNICAL QUESTIONNAIRE 2.101/2 DC High-Voltage Test System

quotation number  
(will be filled in by HIGHVOLT)

### PERSONAL DATA

name: \* \_\_\_\_\_

company / institution: \* \_\_\_\_\_

phone: \_\_\_\_\_

e-mail: \* \_\_\_\_\_

fax: \_\_\_\_\_

### APPLICATION

\* mandatory fields

industrial test shop  research institute   
 training / education  other  please specify:

### TEST CONDITIONS

dry  rainy  polluted

### TYPE OF TEST SYSTEM

DC voltage test system   
 DC power supply (to charge capacitor banks)

### TECHNICAL DATA

| main parameters      |                 |                       |                             |                       |                       |
|----------------------|-----------------|-----------------------|-----------------------------|-----------------------|-----------------------|
| max. output voltage  | kV              |                       |                             |                       |                       |
| max. output current  | mA              |                       |                             |                       |                       |
| test objects         | cable           | <input type="radio"/> |                             |                       |                       |
|                      | bushing         | <input type="radio"/> |                             |                       |                       |
|                      | transformer     | <input type="radio"/> |                             |                       |                       |
|                      | thyristor valve | <input type="radio"/> | other <input type="radio"/> | please specify:       |                       |
| load case            |                 | 1                     | 2                           | 3                     | example               |
| test voltage         | kV              |                       |                             |                       | 1500                  |
| test current         | mA              |                       |                             |                       | 20                    |
| capacitive load *    | nF              |                       |                             |                       |                       |
| charging time *      | s               |                       |                             |                       |                       |
| continuous operation |                 | <input type="radio"/> | <input type="radio"/>       | <input type="radio"/> | <input type="radio"/> |
| short-time operation |                 |                       |                             |                       | -                     |
| ▪ ON                 | min             |                       |                             |                       | 60                    |
| ▪ OFF                | min             |                       |                             |                       | 180                   |
| load cycles          | per day         |                       |                             |                       | 2                     |

\* valid for DC power supply

**POLARITY**

- positive
- negative
- both
- double-pole

**POLARITY SWITCH-OVER**

- manually
- motor-driven

**FAST POLARITY REVERSAL**

- yes  no
- reversal time: s
- reversal voltage: kV
- capacitance: nF

**CONTROL**

- basic control
- computer-aided measuring control and evaluation system

**SUPPLY CONDITIONS**

| main supply        |                       | example               |
|--------------------|-----------------------|-----------------------|
| mains voltage      | V                     | 230 / 400             |
| frequency          | Hz                    | 50                    |
| power              |                       |                       |
| ▪ single-phase     | kVA                   | 60                    |
| ▪ three-phase      | kVA                   | 100                   |
| star-point earthed | <input type="radio"/> | <input type="radio"/> |

**ENVIRONMENTAL CONDITIONS**

The test system will be designed according to the following standard conditions:

|                     |      | indoor      | outdoor       | control room  |
|---------------------|------|-------------|---------------|---------------|
| ambient temperature | °C   | +5 ... + 35 | - 20 ... + 40 | + 10 ... + 30 |
| relative humidity   | %    | ≤ 90        | ≤ 98          | ≤ 90          |
| altitude            | m    | ≤ 1000      |               |               |
| wind velocity       | km/h |             | ≤ 90          |               |

In case of other conditions, please specify:

**COMMERCIAL CONDITIONS**

|   |   |
|---|---|
| purpose of inquiry                        | budget quote <input type="radio"/> standard quote <input type="radio"/> |
| delivery base according to Incoterms 2010 | FOB   |
| currency of payment                       | EURO  |
| terms of payment                          | 30 / 70 (down payment / upon shipment)                                  |
| warranty period                           | 12 months   |

In case of other conditions, please specify:

For further information please contact:

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