



Data Sheet no. 2.58/1

# Secondary Current Measurement for DC Test Systems Type MI11G

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## Application

Secondary current measurement, this means the measurement of the current on the high-voltage side of the generator, is helpful for different applications:

For *DC test systems* the secondary current measurement by the module **Type MI11G** is a recommended option. Especially during DC testing of capacitive test objects the secondary current delivers an important information about the losses in (or insulation resistance of) the test object.

## Design and Operation

The DC module **Type MI11G** consists of a current measuring shunt arranged in the ground connection of the rectifier column. It is selected according to the test equipment data. The shunt resistor is completed by related over voltage and over current protections. The output shunt is connected to a buffer amplifier that supplies an output voltage (0 ... 10 V DC) to the PLC. The current is displayed on the operator device, type BG5, or on the industrial personal computer (IPC) of the controls, types CMS22 or 23.

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