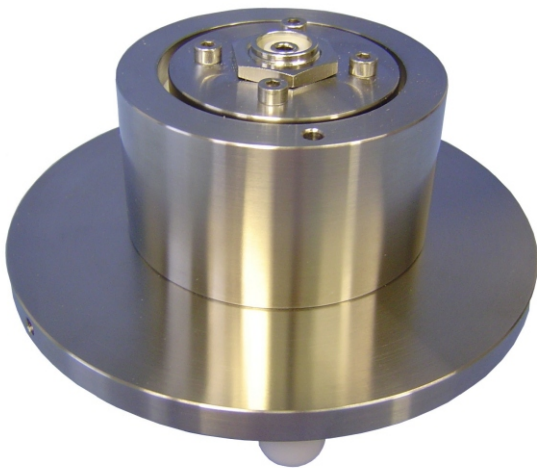


## High Ohm Guard Ring Electrode

# FE 50

for measurement of volume and surface resistance according to standard DIN EN IEC 62631(DIN IEC 60093), ISO 21178 and others



GP 14 (optional)

- ▶ high grade steel quality (V2A)
- ▶ measuring area diameter: 50 mm
- ▶ diameter of guard ring: 80 mm outside  
60 mm inside
- ▶ resulting measuring gap: 5 mm  
(surface resistance)
- ▶ resulting measuring gap: 1 mm  
(volume resistance)
- ▶ effective circumference of the guarded electrode: 17,28 cm
- ▶ effective measuring area for measurement of volume resistance with volume ring: 20.43 cm<sup>2</sup>
- ▶ max. test voltage: 500 V
- ▶ recommended measuring range:
 

at 100 V test voltage	10 <sup>5</sup> to 10 <sup>15</sup> Ohm
at 500 V test voltage	10 <sup>6</sup> to 10 <sup>15</sup> Ohm
at 1 V test voltage	10 <sup>3</sup> to 10 <sup>13</sup> Ohm

**Accessories:**

- Base plate GP 14
- Adapter volume ring (reduces the measuring gap to 1 mm for volume measurement)
- High resistance measuring cable set
- High-ohm calibration box, high-ohm calibration resistors
- Conductive elastomer
- Conductive gel

The guard ring electrode FE 50 is suitable for various measuring of volume and surface resistance.

In connection with the measuring devices Milli-TO 3 and TO 3 precise measuring in the high ohm range are possible.

With the optional volume ring the measuring gap can be reduced to 1 mm for the measurement of the volume resistance.

For quick and easy checking of the measurement accuracy, we recommend our high-ohm calibration box KB-FE50 in connection with our high-ohm calibration resistors.



Surface resistance measurement with grounded baseplate GP 14 (optional) and Milli-TO 3 (optional)

