

# Laboratory of dielectric measurements – DM, IEP SAS

•Watsonova 47

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## **Trek – High-voltage power amplifier**

DC and AC voltage amplifier with a fix gain 4000V/V  
Input signal voltage range: 0 V to +/- 10 V DC, AC  
Output current range: 0 A to +/- 15 mA

## **PD-4, Presco AG – Partial discharge measuring system**

Testing of insulators for high voltage applications  
PD range: 10, 100, 1000, 10 000, 100 000 pC

## **Eitel ADTR-2K plus**

Automatic dielectric constant, Tan delta  
and Resistivity Test Set  
Temperature range: 20 – 110 °C



## **Agilent E4980A LCR Meter**

Measurement of electric impedance in a frequency  
range:20 Hz – 2 MHz.  
Study of relaxation processes in complex liquids.

## **AH2700A ultra precision capacitance bridge**

Frequency range: 50 Hz – 20 kHz  
Precise measurement of capacity, permittivity,  
loss factor, and conductivity of dielectrics.  
Measurements of extremely low dissipation factor  
down to  $1.5 \times 10^{-8} \tan \delta$

