


## Electricity and Magnetism Laboratory

### Available Calibration Services

EQUIPMENT	MEASUREMENT RANGE	UNCERTAINTY	RECOGNITION
Zener references	1 V - 10 V	0,1 a 1,5 $\mu\text{V}/\text{V}$	
Calibrators	1 mV - 10 V	3 a 50 $\mu\text{V}/\text{V}$	
	10 V - 1000 V	3 a 5 $\mu\text{V}/\text{V}$	
Nanovoltmeters, voltmeters	1 mV - 1000 V	3 a 50 $\mu\text{V}/\text{V}$	
Resistiv dividers	0,1 - 1	$3,0 \cdot 10^{-6}$	
Standard resistors	0,01 m $\Omega$ - 10 m $\Omega$	10 $\mu\Omega/\Omega$ - 5 $\mu\Omega/\Omega$	
	0,1 $\Omega$	2 $\mu\Omega/\Omega$	
	1 $\Omega$ e 10 k $\Omega$	1,2 $\mu\Omega/\Omega$	
	10 $\Omega$ - 100 k $\Omega$	1,5 $\mu\Omega/\Omega$ - 2 $\mu\Omega/\Omega$	
	0,1 M $\Omega$ - 1 M $\Omega$	2 $\mu\Omega/\Omega$ - 10 $\mu\Omega/\Omega$	
	1 M $\Omega$ - 10 M $\Omega$	10 $\mu\Omega/\Omega$ - 100 $\mu\Omega/\Omega$	
	10 M $\Omega$ - 100 M $\Omega$	100 $\mu\Omega/\Omega$	
	0,1 G $\Omega$ - 100 T $\Omega$	1 m $\Omega/\Omega$ - 10 m $\Omega/\Omega$	
Standard capacitors	1 pF - 1 nF	10 $\mu\text{F}/\text{F}$	
	1 pF - 1 $\mu\text{F}$	100 $\mu\text{F}/\text{F}$	
AC-DC transfer thermo converter standards	(1 V - 5 V); (10 Hz - 1 MHz)	3 $\mu\text{V}/\text{V}$ - 67 $\mu\text{V}/\text{V}$	
	(5 V - 1000 V); (10 Hz - 1 MHz)	6 $\mu\text{V}/\text{V}$ - 103 $\mu\text{V}/\text{V}$	
AC-DC transfer thermo converter standards and <i>Shunts</i>	(0,005 A - 20 A); (10 Hz - 100 kHz)	20 $\mu\text{A}/\text{A}$ - 130 $\mu\text{A}/\text{A}$	