

 <b>Calibration Center</b>	<b>CALIBRATION CENTER SCOPE OF CALIBRATION</b>	<b>DOK. NO</b>	<b>KEK EK 2</b>
		<b>YAYIN TARİHİ</b>	<b>02.02.2009</b>
		<b>REV.NO/TARİH</b>	<b>10/15.01.2016</b>
		<b>SS/TS</b>	<b>1 / 2</b>

**NOT ACCREDITED SCOPE**

Measured Quantity Instrument or Gauge	Range	Measurement Conditions	Calibration and Measurement Capability Expended Uncertainty (k=2) (±)	Explanations
<b>PRECIPITATION</b> Rain gauge (Tipping, weighting...)	10 mm/hour ≤ I ≤ 300 mm/hour	Electronic balance and peristaltic Pump	1 %	I: Precipitation Intensity, mm/hour Comparison Method
<b>RADIATION</b> Global Radiation (Pyronameter)	0 Watt/m <sup>2</sup> ≤ G ≤ 700 Watt/m <sup>2</sup>	Under constant light intensity	1 %	G: Global Radiation, Watt/m <sup>2</sup> Comparison Method
<b>ELECTRICAL</b>	29 µA ≤ I ≤ 100 µA	45 Hz ≤ f ≤ 1 KHz	1 µA	I : AC Current, A  Comparison Method
<b>AC Current</b>	100,09 µA ≤ I ≤ 1 mA	45 Hz ≤ f ≤ 1 KHz	5 µA	
AC Current measuring instruments, Current meter, Multimeter, Datalogger	1,09 mA ≤ I ≤ 10 mA	45 Hz ≤ f ≤ 1 KHz	20 µA	
	10,09 mA ≤ I ≤ 100 mA	45 Hz ≤ f ≤ 1 KHz	400 µA	
	100,09 mA ≤ I ≤ 1 A	45 Hz ≤ f ≤ 1 KHz	15 mA	
	1,09 A ≤ I ≤ 10 A	45 Hz ≤ f ≤ 1 KHz	30 mA	
<b>DC Current</b>	0 µA ≤ I ≤ 300 µA		0,5 µA	I : DC Current, A  Comparison Method
DC Current measuring instruments, Current meter, Multimeter, Datalogger	300,09 µA ≤ I ≤ 3,29 mA		1 µA	
	3,3 mA ≤ I ≤ 32,9 mA		10 µA	
	33 mA ≤ I ≤ 329,9 mA		100 µA	
	330 mA ≤ I ≤ 1 A		500 µA	
	1,09 A ≤ I ≤ 3 A		5 mA	
	3,09 A ≤ I ≤ 10 A		10 mA	
<b>AC Voltage</b>	1 mV ≤ U ≤ 30 mV	45 Hz ≤ f ≤ 1 KHz	50 µV	U : AC Voltage, V  Comparison Method
AC Voltage measuring instruments, Voltmeter, Multimeter, Datalogger	30,09 mV ≤ U ≤ 100 mV	45 Hz ≤ f ≤ 1 KHz	100 µV	
	100,09 mV ≤ U ≤ 1 V	45 Hz ≤ f ≤ 1 KHz	600 µV	
	1,09 V ≤ U ≤ 10 V	45 Hz ≤ f ≤ 1 KHz	10 mV	
	10,09 V ≤ U ≤ 100 V	45 Hz ≤ f ≤ 1 KHz	50 mV	
	100,09 V ≤ U ≤ 650 V	45 Hz ≤ f ≤ 1 KHz	400 mV	

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Measured Quantity Instrument or Gauge	Range	Measurement Conditions	Calibration and Measurement Capability Expended Uncertainty (k=2) (±)	Explanations
<b>DC Voltage</b>  DC Voltage measuring instruments, Voltmeter, Multimeter, Datalogger	$0 \leq U \leq 10 \text{ mV}$		3 $\mu\text{V}$	$U$ : DC Voltage, V  Comparison Method
	$10,09 \text{ mV} \leq U \leq 329,9 \text{ mV}$		15 $\mu\text{V}$	
	$330 \text{ mV} \leq U \leq 1 \text{ V}$		25 $\mu\text{V}$	
	$1,09 \text{ mV} \leq U \leq 3,29 \text{ V}$		100 $\mu\text{V}$	
	$3,3 \text{ V} \leq U \leq 50 \text{ V}$		5 mV	
	$50,09 \text{ V} \leq U \leq 329,9 \text{ V}$		10 mV	
	$330 \text{ V} \leq U \leq 900 \text{ V}$		50 mV	
<b>DC Resistance</b>  DC Resistance measuring instruments, Ohmmeter, Multimeter Datalogger	$0 \Omega \leq R \leq 32,99 \Omega$		4 m $\Omega$	$R$ : DC Resistance, $\Omega$  Comparison Method
	$33 \Omega \leq R \leq 329,9 \Omega$		17 m $\Omega$	
	$330 \Omega \leq R \leq 1,09 \text{ K}\Omega$		30 m $\Omega$	
	$1,1 \text{ K}\Omega \leq R \leq 109,99 \text{ K}\Omega$		5 $\Omega$	
	$110 \text{ K}\Omega \leq R \leq 1,09 \text{ M}\Omega$		60 $\Omega$	
	$1,1 \text{ M}\Omega \leq R \leq 10,99 \text{ M}\Omega$		7 K $\Omega$	
	$11 \text{ M}\Omega \leq R \leq 109,99 \text{ M}\Omega$		110 K $\Omega$	
<b>Frequency</b>  Frequency measuring instruments, Frequency meter, Multimeter Datalogger	$0,01 \text{ Hz} \leq f \leq 119,99 \text{ Hz}$		8 mHz	$f$ : Frequency, Hz  Comparison Method
	$120 \text{ Hz} \leq f \leq 1199,9 \text{ Hz}$		10 mHz	
	$1,2 \text{ KHz} \leq f \leq 119,9 \text{ KHz}$		1 Hz	
	$120 \text{ KHz} \leq f \leq 500 \text{ KHz}$		3 Hz	
<b>ANGLE AIR DIRECTION</b>  Wind direction measuring instruments	$0^\circ \leq RY \leq 360^\circ$		4 $^\circ$	$RY$ : Air (Wind) Direction, $^\circ$ (Degree)  Comparison Method