PT.SURIA BERKAT ABADI - DIVISI LABORATORIUM KALIBRASI

Accreditation Number : LK-067-IDN
Address : Gedung Yayasan Dana Pensiun TELKOM - Jl. Bungur Besar Raya 49 Senen Jakarta
Telephone : 021-42886922
Facsimile : 021-42886922
Contact Person : Afrius Indra

Temperature

No.	Instrument to be calibrated	Measurement Range	Best Measurement Capability *)	Methods/Specifications	Notes
1	Temperture sensor with display unit	30 °C ~ 100 °C	0.13 °C	JIS Z 8710: 1983	
		100 °C ~ 300 °C	0.2 °C		
		300 °C ~ 500 °C	0.4 °C		
2	Thermocouple Sensor	30 °C ~ 100 °C	0.13 °C	JIS Z 8710: 1983	
		100 °C ~ 300 °C	0.2 °C		
		300 °C ~ 500 °C	0.4 °C		
3	Thermometer Resistance Sensor	30 °C ~ 100 °C	0.13 °C	JIS Z 8710: 1983	
		100 °C ~ 300 °C	0.2 °C		
		300 °C ~ 500 °C	0.4 °C		
4	Temperature indicator without sensor	0 °C ~ 1200 °C	0.6 °C	EA 10/11: 2000	
5	Temperature enclosure Oven, Furnace	30 °C ~ 1200 °C	1.3 °C	AS 2853: 1986	

Mass

No.	Instrument to be calibrated	Measurement Range	Best Measurement Capability *)	Methods/Specifications	Notes
1	Balance (electronic; mechanic)	0 g ~ 600 g	6.6 mg	The Calibration of Balance NML-CSIRO: 1995	
		600 g ~ 10000 g	0.6 g		
		10 kg ~ 20 kg	5.6 g		
		20 kg ~ 160 kg	56 g		

Pressure

No.	Instrument to be calibrated	Measurement Range	Best Measurement Capability *)	Methods/Specifications	Notes
1	Pressure gauge; Pressure recorder; Pressure Transducer	0 psi ~ 10000 psi	22 psi	BS EN 837-1: 1998 EA 10/17: 2002	
		(1 psi = 6894,76 Pa)			

Electrical

No.	Instrument to be calibrated	Measurement Range	Best Measurement Capability *)	Methods/Specifications	Notes
1	DC Voltage Source	0.1 mV ~ 1000 V	1 mV/V	in house procedure MK-EL-002 Kalibrasi DC Voltage Source	

Electrical (cont'd) **LK-067-IDN**

No.	Instrument to be calibrated	Measurement Range	Best Measurement Capability *)	Methods/Specifications	Notes
2	AC Voltage Source	f = 50 Hz		in house procedure	
		0.1 mV ~ 750 V	1.5 mV/V	MK-EL-001	
				Kalibrasi AC Voltage Source	
3	DC Current Source	0.1 mA ~ 4 mA	1.2 mA/A	in house procedure	
		4 mA ~ 400 mA	1 mA/A	MK-EL-004	
		400 mA ~ 10 A	3.4 mA/A	Kalibrasi DC Current Source	
4	AC Current Source	f = 50 Hz		in house procedure	
		0.1 mA ~ 1 mA	6.5 mA/A	MK-EL-003	
		1 mA ~ 100 mA	6.5 mA/A	Kalibrasi AC Current Source	
		100 mA ~ 10 A	10.0 mA/A		
5	Resistor	0.1 Ω ~ 400 Ω	1.7 mΩ/Ω	in house procedure	
		0.4 kΩ ~ 4 kΩ	1.2 mΩ/Ω	MK-EL-005	
		4 kΩ ~ 40 kΩ	2.3 mΩ/Ω	Kalibrasi Resistor	
		40 kΩ ~ 400 kΩ	1.7 mΩ/Ω		
		0.4 MΩ ~ 4 MΩ	4 mΩ/Ω		
		4 MΩ ~ 400 MΩ	11 mΩ/Ω		

Notes:

Best Measurement Capability is stated as *Expanded Uncertainty* at approximately 95% confidence level, calculated using *coverage factor* of k = 2, includes uncertainty contribution due to reference standards used by the laboratory, measurement process at the laboratory, and contribution due to typical characteristic of nearly ideal device under calibration respective to the laboratory

The actual characteristic of device under calibration shall also be considered for individual calibration certificate issued by the laboratory