

Позиции СМС по индуктивности, обеспечиваемые лабораторией госэталонов в области измерений параметров электрических цепей (НИЛ 2202) ФГУП "ВНИИМ им. Д.И.Менделеева"



Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty								
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?	Matrix Uncertainty	Service provider	NMI Internal Service Identifier	Comments
Inductance: self inductance, low values	Fixed inductor, inductance box	Maxwell-Wien or transformer bridge, resonance comparator	1	500	μH	Frequency	1 kHz to 1 MHz	0.1 to 3	mH/H	2	95%	Yes	Matrix 4.1	82	VNIIM	Air bath
Inductance: self inductance, intermediate values	Fixed inductor, inductance box	Maxwell-Wien bridge	1	1000	mH	Frequency	40 Hz to 100 kHz	0.01 to 1	mH/H	2	95%	Yes	Matrix 4.2	88	VNIIM	Air bath
						Temperature	20 °C									
Inductance: self inductance, high values	Fixed inductor	Owen bridge	10	1E+04	H	Frequency	40 Hz to 1 kHz	1	mH/H	2	95%	Yes		96	VNIIM	Air bath
Inductance: mutual inductance	Fixed mutual inductor	Modified Maxwell-Wien bridge	0.1	1	mH	Frequency phase error	40 Hz to 10 kHz	1	mH/H	2	95%	Yes		97	VNIIM	Air bath
Inductance: mutual inductance	Fixed mutual inductor	Modified Maxwell-Wien bridge	1	100	mH	Frequency phase error	40 Hz to 10 kHz	0.1	mH/H	2	95%	Yes		98	VNIIM	Air bath
Inductance: meters	LCR meter	Comparison to inductance standard and Q-standard	1E-06	1	H	Frequency	1 kHz	0.5	mH/H	2	95%	Yes		99	VNIIM	
Inductance: meters	LCR meter	Comparison to inductance standard and Q-standard	0.001	10	mH	Frequency	1 MHz	1	mH/H	2	95%	Yes		100	VNIIM	