

○:Enabled △:Selected ×:Disable

Setting Items	Initial Setting
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Instrument		Communication			Return to initial settings when power is turned on	Panel save/load	File save/load
Full reset (When power is turned on)	Reset	:SYStem :RESet	*RST	:PRESet			

Measurement Mode	LCR
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LCR Setting	Base settings	Measurement parameters		Z/OFF/θ/OFF
		Trigger mode		INT
		Trigger delay		0s
		Trigger synchronous output	ON/OFF	OFF
			Wait time	0.001s
			INDEX delay	0s
		Measurement frequency		1MHz
		Measurement signal	Mode	POWER
			Level	0dBm
		Measurement speed		MED
	Contact check	The number of averaging times		1
		DC measurement	Timing	OFF
			The number of waveforms	1
			Upper limit value	OFF
			Lower limit value	OFF
			Judgment by UnCal	DO
			Judgment error abort	OFF
			AC output	OFF
			DC wait	0.001s
			AC wait	0s
		HI Z reject	ON/OFF	OFF
			Judgment reference value	10000Ω
		Detection level judgment	ON/OFF	OFF
			Judgment reference value	10%
	Application function	Nmb of diplay digits		6
		Absolute measurement value display		OFF
		Communication	MEAS:ITEM	0.0
			MEAS:VALID	14
	Judgment	Judgment function	Type	OFF
			Judgment outside the guaranteed accuracy range	NOT
			Judgment beep sound	NG
			Type of judgment beep sound	0
			Judgment beep sound volume	2
	Comparator	Mode		ABS
		Absolute value mode	Upper limit value	OFF
			Lower limit value	OFF
		% mode	Reference value	10
			Upper limit value	OFF
	BIN measurement	Absolute value mode	Lower limit value	OFF
			Reference value	10
		% mode	Upper limit value	OFF
			Lower limit value	OFF

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LCR Calibration/ Compensation	Scaling	Scaling		OFF
		a		1
		b		0
	Calibration/ Compensation	Calibration		OFF
		Offset delay		0s
		Calibration range	Start frequency	Min. frequency (*1)
			Stop frequency	Max. frequency (*1)
		Calibration Rdc limit	Lower OPEN limit	1kΩ
			Upper LOAD limit	60Ω
			Lower LOAD limit	40Ω
			Upper SHORT limit	10Ω
		Electrical length		0.00mm
		Compensation		OFF
		Compensation Rdc limit	Lower OPEN limit	1kΩ
			Upper SHORT limit	10Ω
		Display format	OPEN	G-Cp
			SHORT	Rs-Ls
			LOAD	Rs-Ls
	ALL calibration data	Measurement speed		MED
		Definition value	OPEN	0S,82fF
			SHORT	0Ω,0H
			LOAD	50Ω,0H
		Measurement value	OPEN	OFF
			SHORT	OFF
			LOAD	OFF
	SPOT calibration data	Frequency		OFF
		Signal		OFF
		Measurement speed		OFF
		Definition value	OPEN	0S,82fF
			SHORT	0Ω,0H
			LOAD	50Ω,0H
		Measurement value	OPEN	OFF
			SHORT	OFF
			LOAD	OFF
	DC calibration data	Definition value	OPEN	0S
			SHORT	0Ω
			LOAD	50Ω
		Measurement value	OPEN	OFF
			SHORT	OFF
			LOAD	OFF
	ALL compensation data	Definition value	OPEN	0S,0F
			SHORT	0Ω,0H
		Measurement value	OPEN	OFF
			SHORT	OFF

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	Judgment	Judment reference value	10%
Application function	Number of display digits		6
	Communication	MEAS:ITEM	0,0
		MEAS:VALID	14

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ANALYZER Calibration/ Compensation	Scaling	Scaling	OFF
		a	1
		b	0
	Calibration/ Compensation	Calibration	OFF
		Offset delay	0s
		Calibration range	Start frequency Min. frequency (*1) Stop frequency Max. frequecny (*1)
		Calibration RDC limit	Lower OPEN limit 1k Ω
			Upper LOAD limit 60 Ω
			Lower LOAS limit 40 Ω
			Upper SHORT limit 10 Ω
		Electrical length	0.00mm
		Compensation	OFF
		Compensation RDC limit	Lower OPEN limit 1k Ω
			Upper SHORT limit 10 Ω
		Display format	OPEN G-Cp
			SHORT Rs-Ls
			LOAD Rs-Ls
	ALL calibration data (IM7587 only)	Definition value	OPEN 0S,82fF
			SHORT 0 Ω,0H
			LOAD 50 Ω,0H
		Measurement value	OPEN OFF
			SHORT OFF
			LOAD OFF
	SPOT calibration data	Definition value	OPEN 0S,82fF
			SHORT 0 Ω,0H
			LOAD 50 Ω,0H
		Measurement value	OPEN OFF
			SHORT OFF
			LOAD OFF
	DC calibration data	Definition value	OPEN 0S
			SHORT 0 Ω
			LOAD 50 Ω
		Measurement value	OPEN OFF
			SHORT OFF
			LOAD OFF
	ALL compensation data (IM7587 only)	Definition value	OPEN 0S,0F
			SHORT 0 Ω,0H
		Measurement value	OPEN OFF
			SHORT OFF
	SPOT compensation data	Definition value	OPEN 0S,0F
			SHORT 0 Ω,0H
		Measurement value	OPEN OFF
			SHORT OFF
	DC compensation data	Definition value	OPEN 0S
			SHORT 0 Ω
		Measurement value	OPEN OFF
			SHORT OFF

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Continuous Maesurement	Continuous maesurement	Judgement error abort	OFF
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Common Settings	Common function	Judgement result	Judgment result – delay between EOMs	0s
			Reset	ON
		I/O trigger	ENABLE	ON
			Edge	DOWN
		I/O EOM	Mode	HOLD
			EOM output time	0.005s
		Memory function	OFF/IN/ON	OFF
			LOR	1000
			ANALYZER	100
		Zoom(LOR)		OFF
		Display		ON
		Backlight brightness		130
		Customized screen color		BLACK
		Prameter color		Blue/Pink/ Yellow/Green
		Key beep sound		ON
			Type of sound	0
			Volume	2
		Warm-up message		OFF
		Key lock	OFF/FULL/SET	OFF
			Password	7585
		Communication	Automatic output of measurement values	OFF
			Transfer format	ASCII
			Long format	OFF
	File	Save format	TEXT	OFF
			BMP	COLOR
		Save folder		AUTO
		Header	Data and time	ON
			Measurement conditions	ON
			Measurement parameters	ON
			Delimiter	.(Comma)
			Quote	”(Double quote)
	Interface	Type		USB
		USB	Delimiter	CF+LF
		GPIB	Address	1
			Delimiter	LF
		RS232C	Transmission rate	9600
			Delimiter	CF+LF
			Flow control	OFF
		LAN	IP address	192.168.0.1

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			Subnet mask	255.255.255.0
			Default gateway	0.0.0.0
			Port	3500
			Delimiter	CF+LF
		3535 Comapatable		OFF
		Header		OFF
		Status byte register		0
		Event register		0
		Enable register		0

Panel			No save
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Touch Panel Compensation			No compensation
Clock			-

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○	△	○	○	○	○	×	×
×	×	×	×	×	○	×	×

○	△	○	×	×	×	×	ALL SAVE
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○	×	×	×	×	×	×	×
×	×	×	×	×	×	×	×

*1:

Model	Min. frequency [Hz]	Max. frequency [Hz]
IM7580A	1.0M	300.0M
IM7581	100.0k	300.0M
IM7583	1.0M	600.0M
IM7585	1.0M	1.3G
IM7587	1.0M	3.0G