

2012 Term 3 Week 7

Multimeter

Multiplier	Prefix	Symbol	Example
10^{12}	tera	T	TB
10^9	giga	G	GB
10^6	mega	M	MHz
10^3	kilo	k	$k\Omega$
10^0			V
10^{-3}	milli	m	mH
10^{-6}	micro	μ	μA
10^{-9}	nano	n	ns
10^{-12}	pico	p	pF
10^{-15}	femto	f	
10^{-18}	atto	a	

RANGE	RESOLUTION
200mV	100uV
2V	1mV
20V	10mV
200V	100mV
1000V	1V



RANGE	RESOLUTION
200uA	100nA
2000uA	1uA
20mA	10uA
200mA	100uA
10A	10mA

Operation

DC Voltage Measurement V

Connect RED test lead to "V Ω mA" jack,
BLACK test lead to "COM" jack

Set the FUNCTION switch to the desired
V-(DCV) position. If not sure, set to the
Highest range.

Connect the test leads across the source or
load under measurement

DC Current Measurement A

Connect the RED test lead to "V Ω mA"
jack when the current is less than 200mA
and to "10A" jack when the current is
larger than 200mA.

Connect the BLACK test lead to the
"COM" jack.

Set the FUNCTION switch to the desired
DCA position.