



## Digital SWR / Watt Meter

Model: DG-503 & DG-503MAX Instruction manual

### INTRODUCTION

This SWR & Watt meter is highly accurate for measuring Forward Power, Reflected Power, and the VSWR of Analog and Digital transceivers

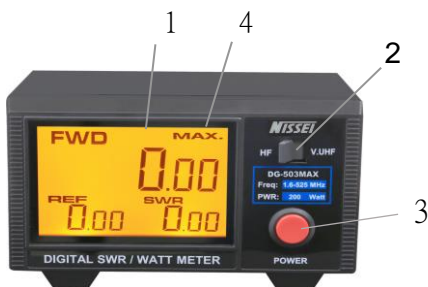
### MAIN FEATURE

1. Large LCD (3.5") display for easy of reading.
2. Forward / Reflected power / VSWR ratio in one push button
3. Selectable to measure DMR (TDMA), AM, SSB (DG-503MAX)
4. LCD backlight display
5. Convenient control layout for easy operation
6. Packing gift box and DC 12V wire.

### SPECIFICATIONS

MODEL	DG-503	DG-503MAX
Frequency Range	1.6-60 MHz/125-525 MHz	
Measurement (Analog mode)	CW, FM, FDMA	
Measurement (MAX mode)	Not available	DMR (TDMA), AM, SSB
Calibration point	28 / 145 / 435 MHz	
Power Range	0 - 200W	
Accuracy	(+/- 5%)	
Minimum Power for SWR	1W	
Input/Output Connector	SO239 (N-female option)	
Weight (Net)	750 g	
Insertion Loss	Less than 0.1 dB	
Testing Function	Fwd/Ref Power & VSWR ratio	
Input/Output Impedance	50 Ohm	
Dimension (W/H/D) mm	140 x 84 x 122	
Accessories	Operation Manual, 12V DC Wire	

### <FRONT PANEL>

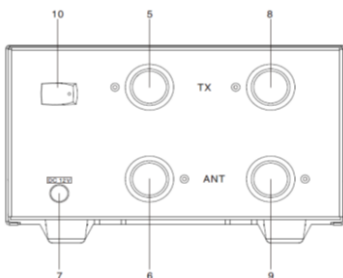


### <FRONT & REAR PANEL>

1. LCD Display : Indicates FWD/REF and VSWR
2. HF & V/UHF band switch
3. Power switch
4. MAX : Measuring DMR (TDMA) / AM / SSB  
(DG-503MAX only : when rear switch in MAX mode)

NOTE: When measuring TDMA or other digital modes the display may blink due to the nature of the transmission this is not a fault of the design and is normal operation

### <REAR PANEL>



### <REAR PANEL>

- 5&8.TX : Coax connector to transmitter RF output  
 6&9. ANT : Coax connector to antenna system  
 7. Power source :12V DC wire  
 [ Black is negative (-), black/white is positive (+) ]  
 10. MAX switch : Selectable DMR (TDMA), AM, SSB  
 Push to right 'white dot' is MAX mode (DG-503MAX only)