

# ROS-6 Meter.

## Test Instrument for CB/HAM

### SWR, POWER & MODULATION

Large 3-Meters-System, Super Deluxe Type.

#### Features :

This model is a test instrument with 3-meters-system capable of measuring SWR, Power, Modulation & F.S. This 3-meters-system unit can measure all SWR, Power, & Modulation at the same time.

These meters consist of high distinctive quality in large size and enlarges a meter face as wide as possible to get an easy-reading.

Two brackets installed can be used as a stand or carrying handle at your option.

#### SWR MEASUREMENT :

1. Release an antenna cable from your CB set.
2. Connect this model with coaxial cable in accordance with mark of "ANT" and "TRANS" respectively written in the back panel side.
3. Choose a power switch in proportion to the output of transmitter to be checked.
4. Send signal-wave pushing a push-button-switch of microphone of the transmitter.
5. Select the most suitable power range while reading an indicator of Power Meter.
6. Turn a SWR-switch in left-side on front to the position of "SET".  
"SET" means that a push-button-switch is placed in recesses position.
7. Adjust a SWR-SET or LEVEL-ADJ knob in left-side on front and place a needle of SWR Meter in the position of "SET".
8. Read it when pushing a SWR-switch, which is value of V.S.W.R.
9. This SWR-Meter is designed to carry the best LEVEL Adjustment to an output of the transmitter while operating by a change of POWER Range.

#### POWER MEASUREMENT :

1. Select Power Range in proportion to an output of transmitter.
2. Send a signal after turning an output-switch of transmitter on.
3. Read a needle swing of Power Meter.  
The output value is shown on the face of Power Meter directly.

## MODULATION MEASUREMENT :

1. Select Power Range in proportion to an output of transmitter.
2. Turn a MOD-switch in right-side on front to the position of "SET".  
"SET" means that a push-button-switch is placed in recesses position.
3. Send a signal after turning an output-switch of transmitter on.
4. Place or control a transmitter in the condition of AM modulation while sending a voice signal or voice frequency to the transmitter with a microphone.
5. Match the meter swing (indicator) to the position of "SET" while adjusting "LEVEL ADJ" knob in right-side on front.
6. Read it after pushing a MOD-switch.  
An indicator of Meter shows AM Modulation degree directly.
7. This MOD-meter can make the best "LEVEL" Adjustment to the output of transmitter while operating by a change of Power Range.

## F.S. MEASUREMENT :

1. Release this model from a transmitter and antenna cable, and connect directly an antenna cable to the transmitter.
2. Screw in F.S. Antenna attached to the antenna terminal in the back-side.
3. Take this model near Antenna and turn a SWR-switch in left-side on front to the position of "F.S."  
"F.S." position means that a push-button-switch is placed in recesses position.
5. Turn a switch of transmitter on.
6. F.S. Meter combined use with SWR Meter swings.  
An indicator of F.S. Meter swings when changing the position of this model.  
The best direction of antenna system is found by using this F.S. Meter.
7. F.S. Meter sensitivity varies by switching Power Range.  
5W range is the best sensitivity and 200W range is the lowest sensitivity.

## SPECIFICATION :

Measuring Range	:	SWR	1:1 - 1:3 (VSWR)
		POWER	0 - 10, 0 - 100 & 0 - 1000
		MOD	0 - 100%
Frequency Range	:		3.5 - 60 MHZ
Impedance	:		52 Ohm
Meter Sensitivity	:		SWR, POWER & MOD. 100 $\mu$ A DC each.
Antenna	:		5" bar type
Dimension.	:		230 (W) x 100 (H) x 100 (D) mm.
Packing	:		10 pcs. 3" - 0" cft.