

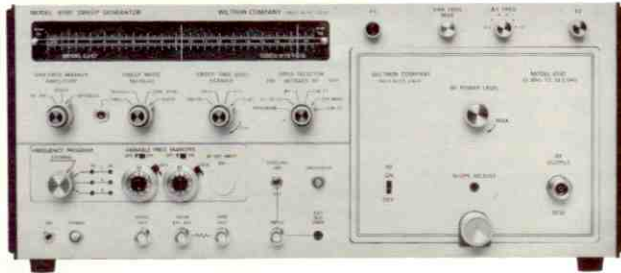
WILTRON MEASUREMENT SYSTEM INGREDIENTS

WILTRON SWEEPERS

Have superior flatness, SWR, and harmonics. The Main Frame is equipped with a slide rule dial for start-stop, RF, and CW frequency control. Other features are .01-100 second sweep, FM, and 1 kHz modulation, and variable frequency markers. The RF Plug-In determines the frequency range.

MODEL 610D MAIN FRAME OPTIONS INCLUDE:

- Crystal Harmonic Markers (Option 1)
- Frequency Programmer (Option 4)
- Three Variable Markers (Option 11)



SWR BRIDGES & AUTOTESTERS—

High Directivity, Low Open/Short Ratio. Available with proper connector to minimize adapter errors.

Series	Description	Impedance	Frequency	Option 1 Directivity	Standard Directivity
68	Baseband to RF	50 and 75 ohms	50 kHz – 32 MHz 50 kHz – 32 MHz	—	50 dB
66	Highest Directivity	75 ohms	5–50 MHz	—	60 dB
66	Highest Directivity	75 ohms	50–200 MHz	—	60 dB
66	Highest Directivity	75 ohms	200–400 MHz	—	60 dB
66	Highest Directivity	75 ohms	400–1000 MHz	—	60 dB
66	Highest Directivity	75 ohms	1000–2000 MHz	—	52 dB
62	Inexpensive SWR Bridge	50 and 75 ohms	10–1000 MHz	—	40 dB
60	Wide band	50 ohms	5–2000 MHz	46 dB	40 dB
64	Extended C band	50 ohms	3–8 GHz	42 dB	36 dB
65	Extended X band	50 ohms	7–12.4 GHz	40 dB	36 dB
69	X and Ku bands	50 ohms	8–18 GHz	—	35 dB
87	Broadband	50 ohms	2–18 GHz	—	35 dB
63	Highest Performance	50 and 75 ohms	10–4000 MHz 10–2000 MHz	46 dB	40 dB
67	Inexpensive	50 and 75 ohms	10–1000 MHz 10–1000 MHz	—	40 dB

RF DETECTORS—

Wideband with proper connector to eliminate adapters (all models have field-replaceable diode)

Model	Type	Frequency Range	Connectors		Flatness
			In	Out	
71 B50	General Purpose	100 kHz–3 GHz	BNC Male	BNC Female	±0.5 dB
73 N50	General Purpose	100 kHz–4 GHz	N Male	BNC Female	±0.5 dB
74 N50	Wide Band	10 MHz–12.4 GHz	N Male	BNC Female	±0.2 dB 10 MHz–8 GHz ±0.5 dB–12.4 GHz
75 A50	Wide Band	10 MHz–18.5 GHz	APC–7 Male	BNC Female	±1 dB
75 N50	Wide Band	10 MHz–18.5 GHz	N Male	BNC Female	±1 dB
75 S50	Wide Band	10 MHz–18.5 GHz	SMA Male	BNC Female	±1 dB

For further information, price and delivery, please contact Wiltron direct or your local representative. There are Wiltron Sales Representatives serving 40 countries worldwide.

SWEEPER RF PLUG-INS

Model	Frequency Range	Max Levelled Power Output mw(dBm)
Multiband Plug-Ins		
6221	2.0–12.4 GHz	Option 10: 10 mw (+10 dBm)
6225	4.0–18.5 GHz	Option 10: 10 mw (+10 dBm)
6237	2.0–18.5 GHz	Option 10: 10 mw (+10 dBm)
6247	10 MHz–18.5 GHz	5 mw (+ 7 dBm)

Dual Band Plug-Ins

6211	0.5–2.0 GHz	20 mw (+13 dBm)
6213	10 MHz–4.2 GHz	10 mw (+10 dBm)
6215	1.0–4.0 GHz	20 mw (+13 dBm)
6219	2.0–8.0 GHz	10 mw (+10 dBm)
6223	4.0–12.4 GHz	10 mw (+10 dBm)
6229	7.9–18.5 GHz	8 mw (+ 9 dBm)

Single Band Plug-Ins

6104D	0.1–110 MHz	20 mw (+13 dBm)
61084D	1–1,500 MHz	10 mw (+10 dBm)
6110D	1,000–2,000 MHz	20 mw (+13 dBm)
6112D	1,400–2,500 MHz	20 mw (+13 dBm)
6114D	2,000–4,000 MHz	20 mw (+13 dBm)
6124D	4,000–8,000 MHz	20 mw (+13 dBm)
6128D	7,900–12,400 MHz	10 mw (+10 dBm)
6130D	12,400–18,000 MHz	10 mw (+10 dBm)
6132D	17,000–22,000 MHz	5 mw (+ 7 dBm)
6136D	18,000–26,500 MHz	3.2 mw (+ 5 dBm)
6140D	26,500–40,000 MHz	2 mw (+ 3 dBm)

LOGARITHMIC AMPLIFIER—

Eliminates display errors

Model	Frequency Range Swept or CW	Sensitivity	Dynamic Range	Calibrated Offset	Calibrated DC Output
501	.01–18 GHz detector dependent	–40 dBm	–40 dBm to +20 dBm	More than 90 dB	10, 5, 2, 1 or 0.5 dB per volt
501B	1–2000 MHz 5–1000 MHz	–40 dBm –80 dBm	–40 dBm to +20 dBm –80 dBm to –40 dBm	More than 90 dB	10, 5, 2, 1 or 0.5 dB per volt