



**Coaxial Dynamics**

A CDI INDUSTRIES, INC. COMPANY  
SPECIALISTS IN RF TEST EQUIPMENT & COMPONENTS

## *RF Wattmeters for HDTV, DTV & DAB Broadcasting* *High Power 'Digital Wattmeters'*

These High Power, Remote Wattmeters are designed for the accurate measurement of complex RF Waveforms such as CDMA (Code Division Multiple Access), DAB (Digital Audio Broadcast), DTV (Digital TV) and HDTV (High Definition TV), as well as CW, AM and FM.

Several different models are available to measure Forward and/or Reflected power in 50-ohm coaxial transmission line systems with either 5/10/25 or 15/30/60 scales. Line Section and Element(s) are sold separately.



### DIGITAL BROADCAST WATTMETERS

MODEL	DESCRIPTION	MODEL	DESCRIPTION
98952-A	DIGITAL HIGH POWER WATTMETER WITH 5/10/25 SCALES INCLUDES (2) 10-FOOT CABLES AND AC ADAPTER. REQUIRES APPROPRIATE SINGLE SOCKET LINE SECTION AND ELEMENT LISTED ON BACK.	98958-A	DIGITAL HIGH POWER WATTMETER WITH 15/30/60 SCALES INCLUDES (2) 10-FOOT CABLES AND AC ADAPTER. REQUIRES APPROPRIATE SINGLE SOCKET LINE SECTION AND ELEMENT LISTED ON BACK.
98954-A	DIGITAL HIGH POWER WATTMETER WITH 5/10/25 SCALES INCLUDES FWD/RFL SWITCH, (4) 10-FOOT CABLES AND AC ADAPTER. REQUIRES APPROPRIATE DUAL SOCKET LINE SECTION AND ELEMENTS LISTED ON BACK.	98959-A	DIGITAL HIGH POWER WATTMETER WITH 15/30/60 SCALES INCLUDES FWD/RFL SWITCH, (4) 10-FOOT CABLES AND AC ADAPTER. REQUIRES APPROPRIATE DUAL SOCKET LINE SECTION AND ELEMENTS LISTED ON BACK.

## *'Digital Wattchman'<sup>®</sup> Station Monitor/Alarm*



The 'Digital Wattchman' Rack Mounted Station Monitor/Alarm is similar in function and appearance to our 81090 series except it is designed for the accurate measurement of complex RF Waveforms such as CDMA, DAB, DTV and HDTV, as well as CW, AM and FM.

The 'Digital Wattchman' monitors both Forward and Reflected power and protects your transmitter. Abnormal conditions quickly cause transmitter shutdown in less than 15 milliseconds (including control relay). An audible alarm and light indicate fault. Line Section and Elements are sold separately.

### DIGITAL WATTCHMAN<sup>®</sup> RF STATION MONITOR/ALARM

MODEL	DESCRIPTION
91090	DIGITAL WATTCHMAN POWER MONITOR/ALARM SYSTEM. 19-INCH RACK MOUNTED UNIT CONSISTS OF (2) METERS WITH 5/10/25 SCALES THAT INCLUDES BOTH FORWARD AND REFLECTED FRONT PANEL TRIP LEVEL ADJUSTMENTS, AMPLIFIED DC OUTPUTS AND 110/220 VAC, 50/60 HZ INPUT SWITCH. COMES COMPLETE WITH 6-FOOT AC POWER CORD AND (4) 25-FOOT CABLES. REQUIRES APPROPRIATE DUAL SOCKET LINE SECTION AND ELEMENTS LISTED ON BACK.
91091	DIGITAL WATTCHMAN POWER MONITOR/ALARM SYSTEM. 19-INCH RACK MOUNTED UNIT CONSISTS OF (2) METERS WITH 15/30/60 SCALES THAT INCLUDES BOTH FORWARD AND REFLECTED FRONT PANEL TRIP LEVEL ADJUSTMENTS, AMPLIFIED DC OUTPUTS AND 110/220 VAC, 50/60 HZ INPUT SWITCH. COMES COMPLETE WITH 6-FOOT AC POWER CORD AND (4) 25-FOOT CABLES. REQUIRES APPROPRIATE DUAL SOCKET LINE SECTION AND ELEMENTS LISTED ON BACK.

# DIGITAL BROADCAST ELEMENTS & LINE SECTIONS

*Elements and Line Sections are sold separately and should be selected from the tables below.*

## 1-5/8" LINE SECTIONS FOR 50-OHM SYSTEMS

MODEL	DESCRIPTION	MODEL	DESCRIPTION
88501	SINGLE SOCKET EIA SWIVEL FLANGED LINE SECTION	88514	DUAL SOCKET EIA SWIVEL FLANGED LINE SECTION
88502	SINGLE SOCKET UNFLANGED FLUSH LINE SECTION	88515	DUAL SOCKET UNFLANGED FLUSH LINE SECTION
88502-2	SINGLE SOCKET UNFLANGED RECESSED LINE SECTION	88515-2	DUAL SOCKET UNFLANGED RECESSED LINE SECTION

## DIGITAL BROADCAST ELEMENTS FOR 1-5/8" LINE SYSTEMS (5/10/25 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
100 W	92110	92118	92126	92134
250 W	92111	92119	92127	92135
500 W	92112	92120	92128	92136
1,000 W	92113	92121	92129	92137
2,500 W	92114	92122	92130	92138
5,000 W	92115	92123	92131	92139
10,000 W	92116	92124	92132	92140

## DIGITAL BROADCAST ELEMENTS FOR 1-5/8" LINE SYSTEMS (15/30/60 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
300 W	92160	92166	92172	92178
600 W	92161	92167	92173	92179
1500 W	92162	92168	92174	92180
3,000 W	92163	92169	92175	92181
6,000 W	92164	92170	92176	92182

## 3-1/8" LINE SECTIONS FOR 50-OHM SYSTEMS

MODEL	DESCRIPTION	MODEL	DESCRIPTION
88503	SINGLE SOCKET EIA SWIVEL FLANGED LINE SECTION	88516	DUAL SOCKET EIA SWIVEL FLANGED LINE SECTION
88504	SINGLE SOCKET UNFLANGED FLUSH LINE SECTION	88517	DUAL SOCKET UNFLANGED FLUSH LINE SECTION
88504-2	SINGLE SOCKET UNFLANGED RECESSED LINE SECTION	88517-2	DUAL SOCKET UNFLANGED RECESSED LINE SECTION

## DIGITAL BROADCAST ELEMENTS FOR 3-1/8" LINE SYSTEMS (5/10/25 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
1,000 W	92313	92322	92331	92340
2,500 W	92314	92323	92332	92341
5,000 W	92315	92324	92333	92342
10,000 W	92316	92325	92334	92343
25,000 W	92317	92326	92335	92344
50,000 W	92318	92327	92336	92345

## DIGITAL BROADCAST ELEMENTS FOR 3-1/8" LINE SYSTEMS (15/30/60 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
1500 W	92362	92370	92378	92386
3,000 W	92363	92371	92379	92387
6,000 W	92364	92372	92380	92388
15,000 W	92365	92373	92381	92389
30,000 W	92366	92374	92382	92390

# DIGITAL BROADCAST ELEMENTS & LINE SECTIONS

*Elements and Line Sections are sold separately and should be selected from the tables below.*

## 4-1/16" LINE SECTIONS FOR 50-OHM SYSTEMS

MODEL	DESCRIPTION	MODEL	DESCRIPTION
88505	SINGLE SOCKET EIA SWIVEL FLANGED LINE SECTION	88518	DUAL SOCKET EIA SWIVEL FLANGED LINE SECTION
88506	SINGLE SOCKET UNFLANGED FLUSH LINE SECTION	88519	DUAL SOCKET UNFLANGED FLUSH LINE SECTION
88506-2	SINGLE SOCKET UNFLANGED RECESSED LINE SECTION	88519-2	DUAL SOCKET UNFLANGED RECESSED LINE SECTION

## DIGITAL BROADCAST ELEMENTS FOR 4-1/16" LINE SYSTEMS (5/10/25 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
2,500 W	92413	92422	92431	92440
5,000 W	92414	92423	92432	92441
10,000 W	92415	92424	92433	92442
25,000 W	92416	92425	92434	92443
50,000 W	92417	92426	92435	92444
100,000 W	92418	92427	92436	92445

## DIGITAL BROADCAST ELEMENTS FOR 4-1/16" LINE SYSTEMS (15/30/60 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
3,000 W	92462	92470	92478	92486
6,000 W	92463	92471	92479	92487
15,000 W	92464	92472	92480	92488
30,000 W	92465	92473	92481	92489
60,000 W	92466	92474	92482	92490

## 6-1/8" LINE SECTIONS FOR 50-OHM SYSTEMS

MODEL	DESCRIPTION	MODEL	DESCRIPTION
88507	SINGLE SOCKET EIA SWIVEL FLANGED LINE SECTION	88520	DUAL SOCKET EIA SWIVEL FLANGED LINE SECTION
88508	SINGLE SOCKET UNFLANGED FLUSH LINE SECTION	88521	DUAL SOCKET UNFLANGED FLUSH LINE SECTION
88508-2	SINGLE SOCKET UNFLANGED RECESSED LINE SECTION	88521-2	DUAL SOCKET UNFLANGED RECESSED LINE SECTION

## DIGITAL BROADCAST ELEMENTS FOR 6-1/8" LINE SYSTEMS (5/10/25 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
2,500 W	92613	92622	92631	92640
5,000 W	92614	92623	92632	92641
10,000 W	92615	92624	92633	92642
25,000 W	92616	92625	92634	92643
50,000 W	92617	92626	92635	92644
100,000 W	92618	92627	92636	92645

## DIGITAL BROADCAST ELEMENTS FOR 6-1/8" LINE SYSTEMS (15/30/60 SCALES)

POWER RATING	54 MHZ - 108 MHZ	100 MHZ - 216 MHZ	470 MHZ - 614 MHZ	614 MHZ - 806 MHZ
3,000 W	92662	92670	92678	92686
6,000 W	92663	92671	92679	92687
15,000 W	92664	92672	92680	92688
30,000 W	92665	92673	92681	92689
60,000 W	92666	92674	92682	92690