

	43	43P	4314C	4431	4304A	4410A	APM-16	4391A
<b>Description</b>	Broadband Wattmeter	Broadband Wattmeter with Peak Power	Broadband Wattmeter with Peak Envelope & Pulsed Power	Broadband Wattmeter with Variable RF Sample Port	Single Element Wattmeter	Wattmeter with Multi-power Level Elements	Wattmeter for Digital Mobile Radio	Dual-element Wattmeter
<b>Modulation</b>	CW, FM, and analog TV	CW, AM, FM, SSB and analog TV	CW, AM, FM, SSB, analog TV, and pulsed signals	CW, AM, FM, and analog TV	CW, AM, FM, and analog TV	CW or FM signals	CDMA, TDMA, FDMA & other digitally modulated signals	CW, Pulsed RF (air navigation, DME, ATC, telemetry, radar etc.)
<b>Measurement</b>	Average RF power	Peak pulsed power, average RF power	Peak envelope, peak pulsed, average RF power	Average RF power	Average RF power	Average RF power	Average RF power	Peak envelope, peak pulsed, average RF power
<b>RF Power Range</b>	100 mW to 10 kW (depending on element)	100 mW to 10 kW (depending on element)	100 mW to 10 kW (depending on element)	5 kW max (2 to 30 MHz) 1 kW max (30 to 1000 MHz)	5 W, 15 W, 50 W, 150 W, 500 W	100 W, 1000 W or 10,000 W in single plug-in element	1 to 1000 W	100 mW to 10 kW (depending on element)
<b>Frequency Range</b>	450 kHz to 1.26 GHz (depending on element)	450 kHz to 1.26 GHz (depending on element)	450 kHz to 1.26 GHz (depending on element)	2 MHz to 1.0 GHz	25 MHz to 1.0 GHz	200 kHz to 2.3 GHz	2 MHz to 2.3 GHz	450 kHz to 1.26 GHz (depending on element)
<b>Power Accuracy</b>	± 5% of full scale	CW Mode: ± 5% full scale Peak mode: ± 8% full scale	CW mode: ± 5% full scale PEP mode: ± 8% full scale	± 5% full scale	± 6 - 7% full scale	± 5% of reading	± 4% reading, ± 1% full scale	CW mode: ± 5% full scale PEP mode: ± 8% full scale
<b>Pulse Parameters</b>	NA	Pulse width: 200 us min. Duty cycle: 2% min. Pulse repetition: 100 pps min.	Pulse width: 0.4 us min. (100-2300 MHz), 1.5 us (26-99 MHz), 15 us (2-25 MHz) Duty cycle: 0.01% min. Pulse repetition: 30 pps min.	NA	NA	NA	NA	Pulse width: 0.8 us min. (100-1260 MHz), 1.5 us (26-99 MHz), 15 us (2-25 MHz) Duty cycle: 0.01% min. Pulse repetition: 25 pps min.
<b>Connectors</b>	Two Type-N (female) QC	Two Type-N (female) QC	Two Type-N (female) QC	Two Type-N (female) QC	Two Type-N (female) QC Two UHF (female) QC	Two Type-N (female) QC	Two Type-N (female) QC	Two Type-N (female) QC
<b>Elements*</b>	Tables 1,2,3,4,6,14	Tables 1,2,3,4,5,6	Tables 1,2,3,4,5,6,14	Tables 1,2,3,4,6,14	One 4304A-1 element (supplied with unit)	4410 elements	APM elements	Tables 1,2,3,4,5,6,14
<b>Power</b>	None required	Two 9 V alkaline	Two 9 V alkaline	None required	None required	One 9 V alkaline	One 9 V alkaline	AC power cord or six rechargeable C cell batteries
* All Bird Wattmeters require Bird's Plug-in Elements								