

	5010B	5014	5012D	5016D	5017D	5018D	5019D	7020
Description	Directional Power Sensor	Directional Power Sensor	Wideband Power Sensor	Wideband Power Sensor	Wideband Power Sensor	Wideband Power Sensor	Wideband Power Sensor	
Modulation	FM AM SSB APCO Project 25 Phase 1 (C4FM) APCO Project 25 Phase 2 (CQPSK) LTE (OFDM and SC-FDMA) WCDMA-UMTS (QPSK) GSM (GSMK) Mototrbo (4 level FSK) Open Sky (4 level GFSK) Tetra FDMA TDMA	FM AM SSB APCO Project 25 Phase 1 (C4FM) APCO Project 25 Phase 2 (CQPSK) LTE (OFDM and SC-FDMA) WCDMA-UMTS (QPSK) GSM (GSMK) Mototrbo (4 level FSK) Open Sky (4 level GFSK) Tetra FDMA TDMA			FM AM SSB APCO Project 25 Phase 1 (C4FM) APCO Project 25 Phase 2 (CQPSK) WiMax (OFDM) LTE (OFDM and SC-FDMA) WCDMA-UMTS (QPSK) GSM (GSMK) Mototrbo (4 level FSK) Open Sky (4 level GFSK) Tetra FDMA TDMA			FM AM SSB APCO Project 25 Phase 1 (C4FM) APCO Project 25 Phase 2 (CQPSK) WiMax (OFDM) LTE (OFDM and SC-FDMA) WCDMA-UMTS (QPSK) GSM (GSMK) Mototrbo (4 level FSK) Open Sky (4 level GFSK) Tetra FDMA TDMA
Measurement	True Average Power, Peak Envelope Power	Average Power, Peak Power, Pulse Power	Average Power, Burst Average Power, Peak Envelope Power					True Average Power, VSWR
RF Power Range	500 mW to 1 kW	0.1 W to 10 kW	150 mW to 150 W (average power) 400 W (peak power)	25 mW to 25 W (average power) 60 W (peak power)	500 mW to 500 W (average power) 1300 W (peak power)	100 mW to 25 W (average power) 60 W (peak power)	100 mW to 100 W (average power) 260 W (peak power)	0.5 W to 500 W (7020-1-030301) 0.15 W - 150 W (7020-1-010101)
Frequency Range	2 MHz to 3600 MHz	2 MHz to 3600 MHz	350 MHz to 4 GHz	350 MHz to 4 GHz	25 MHz to 1 GHz	150 MHz to 1 GHz	25 MHz to 1 GHz	25 MHz to 1 GHz (7020-1-030301) 350 MHz to 4 GHz (7020-1-010101)
Power Accuracy	±5% of reading (APM/DPM average power) ±5% of full scale (43 series average power) ±8% of full scale (43 peak envelope power)	±5% of reading (APM/DPM) ±5 of full-scale average power (43 series)	±(4% of reading + 0.05 W) (average power) ±(6% of reading + 0.05 W) (burst average power) ±(7% of reading + 0.20 W) to ±(20% of reading + 0.40 W) depending on burst width (peak accuracy)	±(4% of reading + 0.08 W) (average power) ±(6% of reading + 0.05 W) (burst average power) ±(7% of reading + 0.20 W) to ±(20% of reading + 0.10 W) depending on burst width (peak accuracy)	±(4% of reading + 0.17 W) (average power) ±(6% of reading + 0.17 W) (burst average power) ±(7% of reading + 0.70 W) to ±(20% of reading + 1.40 W) depending on burst width (peak accuracy)	±(4% of reading + 0.008 W) (average power) ±(6% of reading + 0.008 W) (burst average power) ±(7% of reading + 0.05 W) to ±(20% of reading + 0.10 W) depending on burst width (peak accuracy)	±(4% of reading + 0.04 W) (average power) ±(6% of reading + 0.04 W) (burst average power) ±(7% of reading + 0.13 W) to ±(20% of reading + 0.26 W) depending on burst width (peak accuracy)	±(4% of reading + 0.05 W) (above 35°C or below 15°C, add 3%)
Pulse Parameters	Minimum pulse width: 800 ns (>100 MHz), 1.5 us (26-99 MHz), 15 us (2-25 MHz) Minimum duty cycle: 0.0001 Minimum pulse repetition: 15 pps	Minimum pulse width: 800 μs (>100 MHz), 1.5 μs (26 to 99 MHz), 15 μs (2 to 25 MHz) Minimum duty cycle: 0.0001 Minimum pulse repetition: 15 pps			Burst width: 1 μs to 5 ms Minimum duty cycle: 5 Hz Minimum burst repetition: 0.002			N/A
Connectors	Type-N (female) QC	Type-N (female) QC			Type-N (female)			Type-N (female)
Elements*	APM, DPM, 43 series	APM, DPM, 43 series			None required			None required