

Bird Power Sensors - Directional with Elements

For use with Bird Site Analyzer, VPM, Signal Hawk, and 5000-XT

(please check compatibility between specific sensor and equipment model)



5010B

Model	5010B	5014
Manufacturer	Bird	
Type	Thru-line Two element line section	
Measurements	Simultaneous Directional-Forward and Reflected Power. True Average and peak Power *	
Impedance	Ω	50
Insertion VSWR	1,05:1	
Connectors	N F	
Power range *	DB9	USB
Frequency range *	W	1-1000
Precision (15-35°C)	MHz	2-3600
Dimensions	±5%	
Weight	mm	48x48x89 (w/o connectors)
Part #	kg	0.5
	17514	42898

*Depends on the element selected
For True Average Power, use the elements with low DPM.
For peak power measures, use the Bird 43 elements.
Always use the elements in pairs, with a relation of 10:1 between the forward and reflected direction power.

Sensor Compatibility

Sensor compatibility with software and equipment



Sensor	Device				
	Signal Hawk: SH36S, SH361S, SH362, SH362S	Site Analyzer: SA6000XT, SA3600XT	5000-XT	VPM2 (PC)	BPME PC Tool, 3129 Display
5012A					
5016					
5017	●	●	●	●	
5018					
5019					
5011					
5011-EF	●		●		
5010B					
7020					
5014		●	●	●	
5015					
5015EF		●	●	●	
BPME					●

Elements for 5010B/5014 Sensor (Average Power Measurements)

Weight per element 50g

Always use the elements in pairs, with a relation of 10:1 between the forward and reflected direction power. For example, DPM-50H e DPM-5H.

For power peak measures, use Bird 43 element.

Part #: RF COM / Bird

Frequency	Forward Power	Element for Forward Power	Reflected Power	Element for Reflected Power
2 - 30 MHz	1,25 W - 50 W	17618 / DPM-50H	125 mW - 5 W	17619 / DPM-5H
2 - 30 MHz	12,5 W - 500 W	17620 / DPM-500H	1,25 W - 50 W	17618 / DPM-50H
25 - 60 MHz	1,25 W - 50 W	17621 / DPM-50A	125 mW - 5 W	17622 / DPM-5A
25 - 60 MHz	12,5 W - 500 W	17623 / DPM-500A	1,25 W - 50 W	17621 / DPM-50A
50 - 125 MHz	1,25 W - 50 W	17624 / DPM-50B	125 mW - 5 W	17625 / DPM-5B
50 - 125 MHz	12,5 W - 500 W	17626 / DPM-500B	1,25 W - 50 W	17624 / DPM-50B
50 - 125 MHz	25 W - 1 kW	17627 / DPM-1000B	2,5 W - 100 W	17628 / DPM-100B
100 - 250 MHz	1,25 W - 50 W	17629 / DPM-50C	125 mW - 5 W	17630 / DPM-5C
100 - 250 MHz	12,5 W - 500 W	17631 / DPM-500C	1,25 W - 50 W	17629 / DPM-50C
100 - 250 MHz	62,5 W - 2,5 kW	17632 / DPM-2500C	6,25 W - 250 W	17633 / DPM-250C
200 - 500 MHz	125 W - 5 W	17634 / DPM-5D	12,5 mW - 500 mW	17635 / DPM-0.5D
200 - 500 MHz	1,25 W - 50 W	17636 / DPM-50D	125 mW - 5 W	17634 / DPM-5D
200 - 500 MHz	12,5 W - 500 W	17637 / DPM-500D	1,25 W - 50 W	17636 / DPM-50D
400 - 960 MHz	125 mW - 5 W	17638 / DPM-5E	12,5 mW - 500 mW	17639 / DPM-0.5E
400 - 960 MHz	1,25 W - 50 W	17640 / DPM-50E	125 mW - 5 W	17638 / DPM-5E
400 - 960 MHz	2,5W to100W	17641 / DPM-100E	250 mW to10W	17642 / DPM-10E
400 - 960 MHz	12,5 W - 500 W	17643 / DPM-500E	1,25 W - 50 W	17640 / DPM-50E
400 - 960 MHz	25 W - 1 kW	17644 / DPM-1000E	2,5 W - 100 W	17641 / DPM-100E
950 - 1260 MHz	125 mW - 5 W	17645 / DPM-5J	12,5 mW - 500 mW	17646 / DPM-0.5J
950 - 1260 MHz	1,25 W - 50 W	17647 / DPM-50J	125 mW - 5 W	17645 / DPM-5J
1100 - 1800 MHz	125 mW - 5 W	17648 / DPM-5K	12,5 mW - 500 mW	17649 / DPM-0.5K
1100 - 1800 MHz	1,25 W - 50 W	16809 / DPM-50K	125 mW - 5 W	17648 / DPM-5K
1700 - 1990 MHz	125 mW - 5 W	17650 / DPM-5L1	12,5 mW - 500 mW	17651 / DPM-0.5L1
1700 - 1990 MHz	1,25 W - 50 W	17652 / DPM-50L1	125 mW - 5 W	17650 / DPM-5L1
1990 - 2200 MHz	125 mW - 5 W	17653 / DPM-5L2	12,5 mW - 500 mW	17654 / DPM-0.5L2
1990 - 2200 MHz	1,25 W - 50 W	17655 / DPM-50L2	125 mW - 5 W	17653 / DPM-5L2
2200 - 2300 MHz	125 mW - 5 W	17656 / DPM-5M	12,5 mW - 500 mW	17657 / DPM-0.5M
2200 - 2300 MHz	625 mW - 25 W	17658 / DPM-25M	62,5 mW - 2,5 W	17659 / DPM-2.5M
2300 - 2500 MHz	125 mW - 5 W	17660 / DPM-5N	12,5 mW - 500 mW	17662 / DPM-0.5N
2500 - 2700 MHz	125 mW - 5 W	17663 / DPM-5R	12,5 mW - 500 mW	17664 / DPM-0.5R