

CASCADE LASER CORPORATION

Portable RF Wattmeter Model 4410A

Product Information



Figure 1: Model 4410A

Notable Features:

- Multipower, +/-5% Reading Accuracy
- Field Ready
- Easy to Use
- Rugged & Reliable

Product Specifications:

Accuracy:	+/-5% of reading for any reading above 20% of the Power Range selected for FM or CW signals without AM. This accuracy is maintained for a full 37 dB dynamic range with each 3310 Element (except No. 4410-1 200 kHz-535 kHz which is accurate to +/-10% of reading, and 4410-15 1.0-1.8 GHz and 4410-16 1.8-2.3 GHz which are accurate to +/-8% of reading.)
Ambient Temp. Range:	Elements 4410-1 through -8 and -10 through -16 are temperature compensated for rated accuracy from 0° to 50°C (32° to 122°F) and 4410-20 through -27 from 20°C to 30°C (68° to 86°F)
Frequency Range:	200 kHz to 2.3 GHz CW or FM
Connector:	QC Type (Female N normally supplied)
Insertion VSWR:	with N Connectors 1.25 max. to 2300 MHz
Power Range:	2mW to 10W, 20mW to 100W, 200mW to 1kW or 2W to 10kW full scale in one single Plug-In Element. Any 4410 Element may be used.
Over-Range Protection:	To 120% of nominal full scale (ie. 12W, 120W, 1200W, or 12,000W). No damage or degradation to the unit will result, regardless of the Range Selector Switch position.
Weight:	3 lbs. (1.4 kg)
Nominal Size:	6-7/8"H x 5-1/8"W x 3-5/8"D (175mm x 130mm x 92mm)
Finish:	Light gray powder coat

Elements
Table 9 / 9A / 10 / 11 / 12

Table 9 - Full-Scale Power and Frequency Ranges 0-100, 300 Milliwatts 1, 3, 10, 30 Watts									
MHz	30-50	50-88	88-108	100-152	150-250	225-400	400-800	800-900	900-1000
Model	4410-20	4410-21	4410-27	4410-22	4410-23	4410-24	4410-25	4410-26	4410-28
Table 9A - Full-Scale Power and Frequency Ranges 0-100, 300 Milliwatts 1, 3, 10, 30 Watts									
MHz	864-868	919-970							
Model	4410-38	4410-29							
Accuracy	10% of reading accuracy on 100mW, 300mW and 1W, 5% on all other scales 5% 10mW to 1W only								
Table 10 - Full-Scale Power and Frequency Ranges 0-100, 300 Milliwatts 1, 3, 10, 30 Watts									
MHz	25-80	50-125	100-250	200-500	400-1000	1000-1800	1800-2300		
Model	4410-10	4410-11	4410-12	4410-13	4410-14	4410-15*	4410-16*		
Table 11 - Full-Scale Power and Frequency Ranges 0-1, 3, 10, 30, 100, 300, 1000 Watts									
MHz	230	25-80	50-200	144-520	2300-1000				
Model	4410-3	4410-5	4410-6	4410-7	4410-8				
Table 12 - Full-Scale Power and Frequency Ranges 0-10, 30, 100, 300, 1000, 3000, 10,000 Watts									
MHz	0.2-0.535	0.45-2.5	230						
Model	4410-1	4410-2	4410-4						

Contact Cascade Laser Corporation for ordering information or to request a quotation on any of these products.

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