



FLANN MICROWAVE

Calibrated Frequency Meters

Series 070

Features

- High Accuracy
- High Q
- Full Band

In designing a satisfactory frequency meter cavity, great care must be used in the selection of the operating mode of resonance, the diameter, and the coupling elements in order that non-ambiguous operation is achieved over the full waveguide band.

The Flann Series 070 Frequency Meters consist of a high Q electroformed precision cavity located on the rectangular waveguide narrow wall. The cavity operates in the TE₁₁₁ mode and is tuned by a non-contacting choked piston. All models have a minimum tuned response of 1 dB. A micrometer drive ensures precise control of the piston position enabling frequency measurement to a high accuracy. Each instrument is supplied with calibration data.

Custom built instruments can be supplied; please contact the sales team for more information sales@flann.com



Model 10070

FLANN MICROWAVE LTD.

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PL31 2QL

GET IN TOUCH:

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Specifications

Model	Frequency Range (GHz)	Waveguide			Calibrated Accuracy (%)	Typical Loaded Q
		WG	R	WR		
14070	5.38 – 8.18	14	70	137	0.005	5600
15070	6.58 – 10.0	15	84	112	0.010	6200
16070	8.20 – 12.5	16	100	90	0.010	5500
17070	9.84 – 15.0	17	120	75	0.010	5000
18070	11.9 – 18.0	18	140	62	0.012	4700
19070	14.5 – 22.0	19	180	51	0.015	4200
20070	17.6 – 26.7	20	220	42	0.02	3700
22070	26.4 – 40.1	22	320	28	0.03	3000
23070	33.0 – 50.1	23	400	22	0.035	2600
24070	39.3 – 59.7	24	500	19	0.040	2300
25070	49.9 – 75.8	25	620	15	0.050	2000
26070	60.5 – 92.0	26	740	12	0.065	1700
27070	73.8 – 112.0	27	900	10	0.075	1400
28070	92.0 – 140	28	1200	8	0.1	1100
29070	114 – 173	29	1400	6	Specification available on request	
30070	145 – 220	30	1800	5		
31070	172 – 261	31	2200	4		
32070	217 - 330	32	2600	3		

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