



**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 TE<sub>111</sub> 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](mailto:sales@flann.com)



Model 10070

### **FLANN MICROWAVE LTD.**

Dunmere Road  
Bodmin  
Cornwall  
PL31 2QL

### **GET IN TOUCH:**

Tel: +44 (0)1208 77777  
[sales@flann.com](mailto:sales@flann.com)  
[www.flann.com](http://www.flann.com)



**FLANN MICROWAVE**

**Calibrated Frequency Meters**

Series 070

**Specifications**

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

**FLANN MICROWAVE LTD.**

Dunmere Road  
Bodmin  
Cornwall  
PL31 2QL

**GET IN TOUCH:**

Tel: +44 (0)1208 77777  
sales@flann.com  
www.flann.com