532/536A FREQUENCY METERS

Precision General-Purpose Meters for Lab or Production Use

Specifications

Model No.	Overall Accuracy (%)	Frequency Range GC (KMC)	Dial Calib. Accuracy (%)	Calibration Increment (MC)	Max. Temp. Coefficient % per ° C	Price
536A	0.14	1 - 4 (coax)	0.10	1	0.0016	$500.00
G532A	0.065	3.95 - 5.85	0.033	1	0.0012	325.00
J532A	0.065	5.30 - 8.20*	0.033	2	0.0012	300.00
H532A	0.075	7.05 - 10.0	0.040	2	0.0015	250.00
X532B	0.080	8.20 - 12.4	0.050	5	0.0010	175.00
M532A	0.085	10.0 - 15.0	0.053	5	0.0012	275.00
P532A	0.100	12.4 - 18.0	0.068	5	0.0012	210.00
K532A	0.110	18.0 - 26.5	0.077	10	0.0013	280.00
R532A	0.120	26.5 - 40.0	0.083	10	0.0017	300.00

K and R band models available with circular flange adapters; specify K532AC and R532AC respectively.

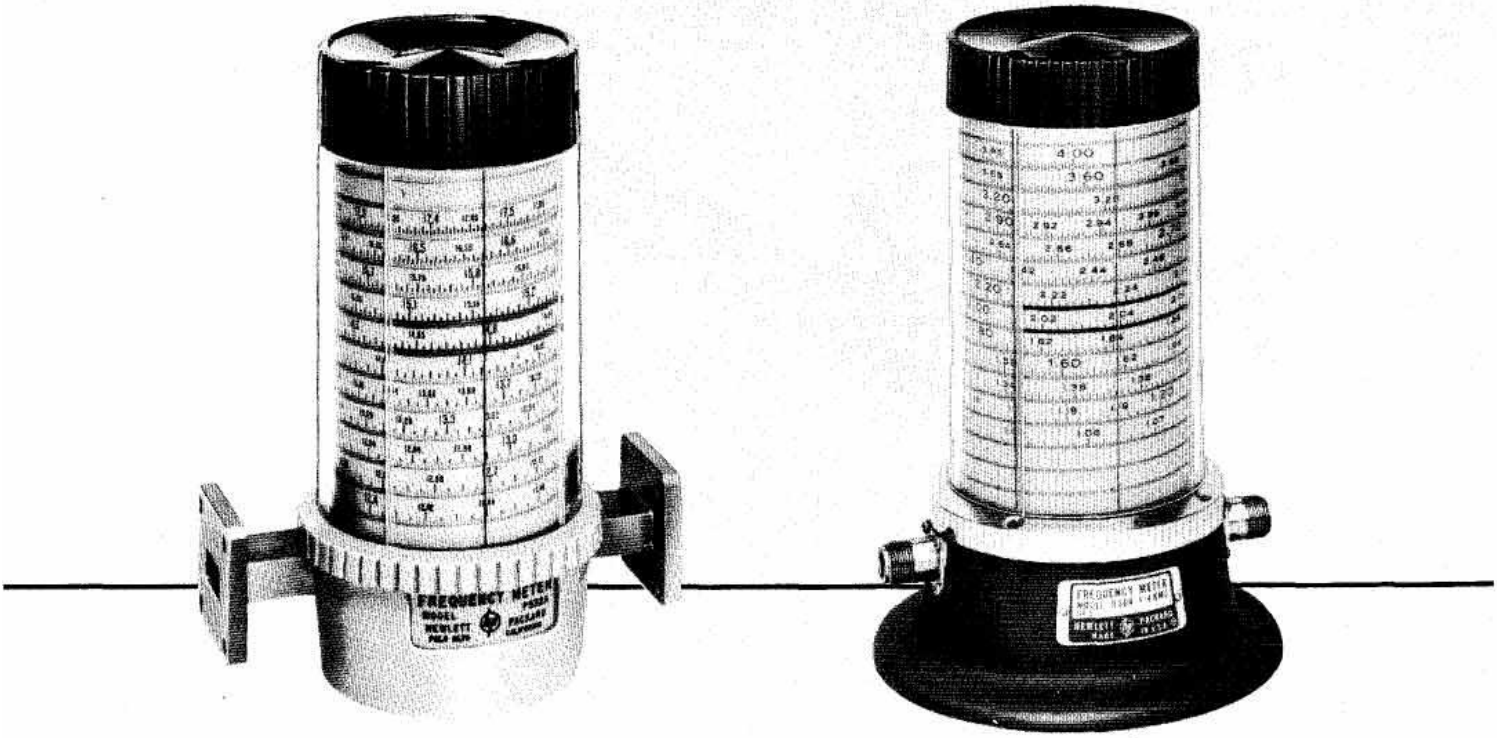
*Because of the wide frequency range of the J532A, frequencies from 7.6 to 8.2 GC can excite the TE_{112} mode when the dial is set between 5.3 and 5.6 GC.

Data subject to change without notice.

Model 532 and 536A Frequency Meters are wide band, direct reading instruments offering quality construction, convenience and outstanding value at low cost. Frequency is read directly in GC (KMC) with high accuracy as indicated on the adjoining table. No interpolation or charts are required. Overall accuracy includes a temperature variation of ± 10° C from 23° C and ± 0.02% for 0 to 100% humidity change.

The instrument comprises a special section mounting a high Q resonant cavity tuned by a choke plunger. No sliding contacts are used, and the waveguide section transmits virtually full power at resonance. A 1 db or greater dip in output indicates resonance. Tuning is by a precision lead screw, spring-loaded to eliminate backlash. Readability is enhanced by a long, effective spiral scale length and a scale calibrated in small frequency increments. For example, Model X532B has an effective scale length of 77″ and is calibrated in 5 MC increments. Resettability is 0.01% (1 MC at 10 GC).

For measurements of 1 to 4 GC on coaxial circuits, 536A Coaxial Frequency Meter is offered. Specifications of this high resolution, broadband, direct reading instrument are listed in the table.



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