

OMEGA TYPE -108 Variable Inductors will find great uses in the laboratory as adjustable standards of moderate accuracy for self and mutual inductance. The unit can be used as circuit elements in Bridges, Oscillators and in many other electronic circuits.

Rotor and stator coils are mounted concentrically. The effective inductance depends upon the position of the rotor with respect to the stator. Coils are impregnated with high melting point material.

In case of self inductors, the dial is marked with effective value of inductance in series connection. The range of variation will be one-fourth when the coils are connected in parallel. In case of mutual inductors the values of mutual inductance are marked. Variable inductors with dials marked with self inductance in series and mutual inductance as well are also available.

Full details in regard to range of inductances in series, range of mutual inductance, D.C. resistance in series and Max. current are mentioned on the plate of each and every inductor unit. Separate terminals are brought out from each coil for easy series or parallel connections. Slow motion has been incorporated for accurate adjustment. All units are mounted on phenolic panels and enclosed in Sunmica finished wooden boxes.

FEATURES

- 01 Continuous variation of inductance.
- 02 Low change of inductance with frequency variation.
- 03 Rotor and Stator inductances are made closely equal to Minimise circulating currents in the parallel connection.
- 04 Use of least metal parts ensuring low eddy current loss.
- 05 Positive as well as negative value of Mutual Inductance.
- 06 Weight : 3 Kg. (Approx.)
- 07 Dimension : W 190 x H190 x D 265

VARIABLE SELF INDUCTORS

OMEGA TYPE 108-S

Omega Type	Self Inductance Range	Max. Current
108-AS	20-500 μ H	5.5 Amps.
108-BS	0.2-5 mH	1.6 Amps.
108-CS	2-50 mH	0.6 Amp.
108-DS	20-500 mH	0.2 Amp.

VARIABLE MUTUAL INDUCTORS

OMEGA TYPE 108-M

Omega Type	Mutual Inductance Range	Max. Current
108-AM	-100 μ H to + 100 μ H	5.5 Amps.
108-BM	-1 mH to + 1 mH	1.6 Amps.
108-CM	-10 mH to + 10 mH	0.6 Amp.
108-DM	-100 mH to + 100 mH	0.2 Amp.

VARIABLE SELF AND MUTUAL INDUCTORS

OMEGA TYPE 108-SM

Omega Type	Self Inductance Range	Mutual Inductance Range	Max. Current
108-ASM	20-500 μ H	-100 μ H to + 100 μ H	5.5 Amps.
108-BSM	0.2-5 mH	-1 mH to + 1 mH	1.6 Amps.
108-CSM	2-50 mH	-10 mH to + 10 mH	0.6 Amp.
108-DSM	20-500 mH	-100 mH to + 100 mH	0.2 Amp.



We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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