



ISO 9001

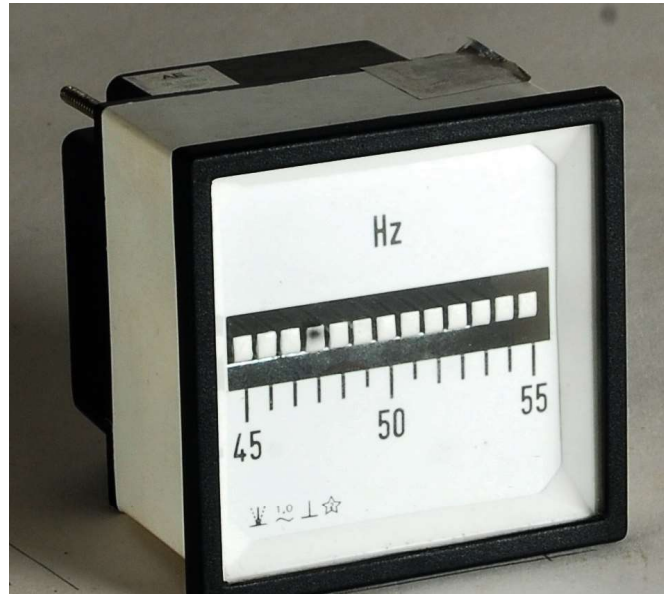
# VISHAWKARMA SCIENTIFIC WORKS

AN ISO 9001 : 2015 Certified Company

761, Dina Mandi, Ambala Cantt

website: [www.viskawmeters.co.in](http://www.viskawmeters.co.in)contact: +91 9953241920, 8882030155 Email- [viskawmeters@gmail.com](mailto:viskawmeters@gmail.com)

## VIBRATING REED FREQUENCY METER



### DESCRIPTION:

It is used to measure the applied frequency. Vibrating Reed Frequency meters indicate the supply frequency by means of individual reeds, when rated voltage  $\pm 20\%$  is applied across the terminals of the meter, the particular reed, whose natural frequency of vibration coincides with the supply frequency, vibrates with full amplitude. In case the supply frequency falls midway between two reeds both the reeds vibrate, at reduced amplitude. The amplitude of vibration at the tip of reeds is high enough for a distinct indication.

The instrument can be operated at 110V, 220V, or 440V. Terminal screws with washers are provided for the selected operating voltage & remaining two terminals are covered with insulated caps. In case of RFD96 and RFD144 instruments, two sets of reeds with the same scale range can be offered, giving two independent meters in one casing. This facilitates in comparing the frequency of two voltage supplies for paralleling operation.

### FEATURES:

- Vibrating reed.
- No aging effect.
- Faster response.
- Lighter in weight.
- Low power consumption
- Rugged construction
- High reliability



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## ELECTRICAL SPECIFICATIONS :

Type :	Vibrating Reed
Operating Voltage :	110V~125V, 220V~250V, 380V~440V.
Power Consumption :	Less than 0.3VA,0.6VA and 1.2VA for respective operating voltage in 72 & 96. 26 Sizes
Dielectric Strength :	2kV RMS for 1 minute.
Operating Temp :	-10°C to 55°C
Storage Temp :	-20°C to 70°C
Humidity :	Upto 95% RH
Conforms To :	I.S.1248 / I.E.C. 60051(Part4).

## MECHANICAL SPECIFICATIONS :

MODEL	RFS72	RFS96	RFD96	RFS144	RFD144
SIZE (mm)	72 X 72 X 70	96 X 96 X 70	96 X 96 X 70	144 X 144 X 60	144 X 144 X 60
PANEL CUTOOUT (mm)	68 X 68 <sup>+0.7</sup>	92 X 92 <sup>+0.8</sup>	92 X 92 <sup>+0.8</sup>	138 X 138 <sup>+1.0</sup>	138 X 138 <sup>+1.0</sup>
WEIGHT (Approx gms)	300	360	550	650	950

## ORDERING INFORMATION:

1) Type 2) Operating Voltages 3) Model 4) Range