

## Vibration Reed Frequency Meter Din panel, Analog meter



- Front Dimension 144x144mm, 96x96mm, 72x72mm.
- DIN43700, DIN43802, DIN43718, IEC1010, IEC473, IEC51, BS89
- Polycarbonate, self extinguishing and drip-proof per UL94V-0
- Rugged housing-non combustible, plastic-heat resistance.
- Accuracy  $\pm 1.0\%$  Or customize.
- Vibration reed movements.

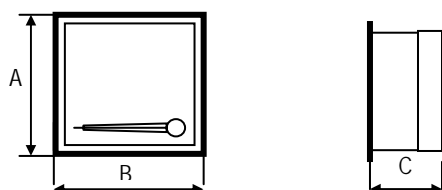
### Application

Square panel meters for alternating current system. All panel meters are direct indication of measuring input. They are suitable to use on the distribution panel, control panel, switchboard panel, power plant, mimic board, machines and others.

The instruments has designed for industrial applications which required precise, reliable and robust instruments for the display range and indicating. Each measuring instrument is suited for one of the following measuring tasks:

- Direct connection 50V, 100V, 220V, 380V, 415V, 440V or request.
- Frequency range 45-55Hz, 47-53Hz, 55-65Hz, 57-63Hz, 54-66Hz, 450-550Hz., 450-650Hz., 550-650Hz.
- more detail see ordering information.

### Dimension



Size	A	B	C
72x72	72	72	65
96x96	96	96	65
144x144	144	144	65

### Ordering Information.

#### 1) Model

Hz72      Dimension    72x72 mm.  
Hz96      Dimension    96x96 mm.  
Hz144     Dimension    144x144 mm.

#### 2) Input Type

Direct 50, 100, 110, 115, 120, 220, 380, 415V & customize  
PT Rated 100,110, 115, 120V & customize

#### 3) Scale Range

45-55Hz, 47-53Hz, 55-65Hz, 57-63Hz, 54-66Hz, 450-550Hz., 450-650Hz., 550-650Hz.

Factory standard range or specify when ordering or consult.

\* please specify when ordering

#### 4) Class

Class 1.0 is standard or others by request

#### Example

1) Hz96 Frequency Meter Input PT115kV/115V, Range 45-55Hz.\*  
class 1.0, Reed type.

\* specify when ordering or consult.

### Characteristic

#### Display

Scale Graduation  
Pointer

Reed type  
Vibration Reed comply with DIN 43802, parts 2.

#### Mechanical Design

##### Housing Material

Polycarbonate, self-extinguishing and drip-proof per UL94V-0

##### Mounting Fasteners Scale

Standard type screw clamp  
Interchangeable scales and may only be replaced under voltage-free conditions !

##### Replaceable

Bezels and glass face plates, May only be replaced under voltage-free conditions!

##### Terminals

M4 screw terminals with self-lifting terminal clips.  
Screws can turned by standard screw drivers tool.

##### Contact Protection Accuracy

Finger-safe full cover included  
1.0 or request.

#### Consumption

##### Voltage Path

3.3VA for direct connection.

##### Voltage Path

2.0VA for PT Rated.

#### Ambient Conditions

Operating Temperature - 20 ... + 55 °C

Storage Temperature - 40 ... + 70 °C

Relative Humidity max. 95%

Frequency 45...65Hz.

#### Compliance with Regulations

##### Protection

IP 52, front panel, Terminal IP20

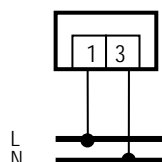
##### Protection

Class 1

Size	72x72	96x96	144x144
Scale 90 Deg.	Hz72	Hz96	Hz144
Reed Nr.	45-55Hz, 55-65Hz, 45-65Hz		11 Reed
	450-550Hz, 450-650Hz		11 Reed
	47-53Hz, 57-63Hz		7 Reed
	44-56Hz, 54-66Hz		13 Reed
Weight	0.35 Kg.	0.45 Kg.	0.60 Kg.
Panel Cutout	68x68 mm.	92x92 mm.	138x138 mm.
Max Voltage	600 V	600 V	600 V
Test Voltage	3.25kV	3.25 kV	3.25 kV

### Wiring Diagram.

#### Direct Connection



#### PT Connection

