

Double Reed and Double Pointer Frequency Meter Din panel, Analog meter



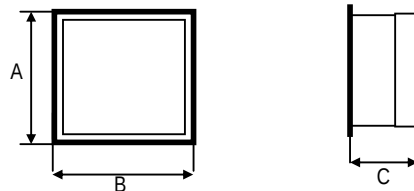
Application

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 100, 220, 380, 440V, or request.
- PT connection 66, 100, 110, 115, 120V or request.
- Frequency range 47-53Hz., 57-63Hz., 45-55Hz., 45-65Hz., 55-65Hz., 44-56Hz., 54-66Hz., 450-550Hz., 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

2F96	Dimension	96x96 mm.	Scale	90 Degree
2F144	Dimension	144x144 mm.	Scale	90 Degree
2Hz72	Dimension	72x72 mm.	Reed type	
2Hz96	Dimension	96x96 mm.	Reed type	
2Hz144	Dimension	144x144 mm.	Reed type	

2) Input Type

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

3) Range

47-53Hz., 57-63Hz., 45-55Hz., 45-65Hz., 55-65Hz., 44-56Hz., 54-66Hz., 450-550Hz., 450-650Hz., 550-650Hz.

Factory standard range or specify when ordering or consult.

* please specify when ordering

4) Class

AC Double Frequency Meter Class 1.0 is standard

Example

1) 2Hz96 AC Double Frequency Meter Input PT115kV/115V,
Range 45-55 Hz* class 1.0

* factory standard range & specify when ordering or consult.

- 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 ± 1.0
- Double Reed Vibration Type
- Double Indicating with Pointer Type

Characteristic

Display

Scale Graduation
Pointer

Coarse-fine and Reed Vibration
Comply with DIN 43802, parts 2 through 4.

Mechanical Design

Housing Material

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

Mounting Fasteners
Scale

Standard type screw clamp
Interchangeable scales
Scales, Bezels and glass may be replaced under voltage-free conditions !

Terminals

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

Contact Protection
Accuracy

Finger-safe full cover included
1.0 or request.

Consumption

Voltage Path
Voltage Path

3.0VA for 500V.
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
Reed	2Hz72 , 2Hz96	2Hz144
Scale 90 Deg.	2F96	2F144
Number of Reed	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	0.5 Kg.	0.75Kg.
Panel Cutout	68x68mm. , 92x92 mm.	138x138 mm.
Max Voltage	600 V	600 V
Test Voltage	3.25 kV	3.25 kV

Wiring Diagram.

