48P, 72P, 96P, 96PP, 144P, 144PP

For measuring frequency in sinusoidal AC circuits

Technical data:

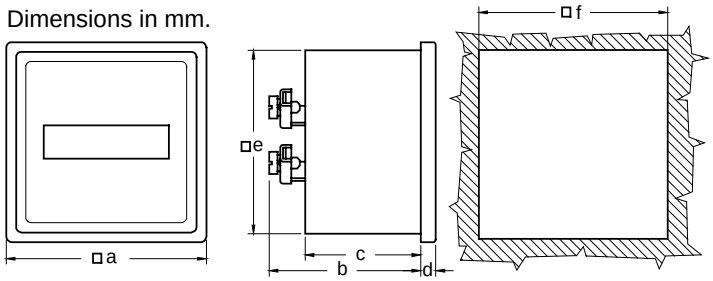
Movement: Vibrating-reed movement with reeds tuned to 1/2 Hz
Instrument case: steel-plate
Scale: 1/2 Hz subdivisions, (the smallest readable value is 1/4 Hz)
Number of vibrating reeds: 13 or 21 reeds depending on the measuring range
Class of accuracy: 0.5
Consumption: max. 1.5 VA
Rated voltages: 100…115 V, 230 V, 400 V, 500 V
Protection: casing IP50; adapter box IP20 and terminals IP00
Weight: 0.2 kg /48P; 0.35 kg /72P; 0.4 kg /96P; 0.5 kg /96PP; 0.7 kg /144P; 0.9 kg /144PP

Fixing elements: with two screw-type fastening clips (DIN 43835 "B")

Measuring range	Rated voltage	Frame dimensions					
		48x48 mm	72x72 mm	96x96 mm	144x144 mm	96x96 mm	144x144 mm
		single movement				double movement	
		Type: 48P	Type: 72P	Type: 96P	Type: 144P	Type: 96P	Type: 144PP
47 … 53 Hz (13 res. 2x13 vibration reeds)	110 … 115V	x	x	x	x	x	x
	230 V	x	x	x	x	x	x
	400 V	x	x	x	x	x	x
	500 V	----	x	x	x	x	x
45 … 55 Hz (21 res. 2x21 vibration reeds)	100 … 115 V	----	x	x	x	x	x
	230 V	----	x	x	x	x	x
	400 V	----	x	x	x	x	x
	500 V	----	x	x	x	x	x
57 … 63 Hz (13 res. 2x13 vibration reeds)	100 … 115 V	x	x	x	x	x	x
	230 V	x	x	x	x	x	x
	400 V	x	x	x	x	x	x
	500 V	----	x	x	x	x	x
55 …65 Hz 21 res. 2x21 vibration reeds)	100 … 115 V	----	x	x	x	x	x
	230 V	----	x	x	x	x	x
	400 V	----	x	x	x	x	x
	500 V	----	x	x	x	x	x

Outline drawing

Dimensions in mm.



Note: on request types different from tables are accepted

Type	Dimensions (in mm.)					
	a	b	c	d	e	f
48P	48	62	47	5	44	$45^{+0,6}$
72P	72	60	48	6	66	$68^{+0,7}$
96P, 96PP	96	56	44	6	90	$92^{+0,8}$
144P, 144PP	144	75	65	8	136	138^{+1}

Order specification:

- Vibrating reed frequency meter
- Frame dimension: 72x72 mm
- Measuring range: 47 … 53 Hz
- Rated voltage: 100 - 115 V

Ordering data:

- Vibrating reed frequency meter
- Type: **72P 47-53 Hz 100-115 V**