

Reed Frequency- meters

Analogue indicator to measure frequency



Description

- Does not need an auxiliary power supply
- DIN box with dimensions: 72, 96 and 144 mm
- Class 0.5
- Independent measurement of the wave shape

Application

Measurement of the frequency in alternating current circuits, for any type of wave shape and under adverse environmental and physical conditions.

Features

HLC	
Input circuit	
Consumption	1 ... 3.6 V·A
Nominal operating frequency	50 or 60 Hz
Overloads	1.2 U_n permanent 2 U_n during 5 s
Measurement voltage	Standard 230 Vac Optional 100...120 Vac / 380...440 Vac
Accuracy	0.5 % FS
Ambient conditions	
Operating temperature	+10 ... +30 °C
Limit temperature	- 25 ... +40 °C
Altitude	2000 m
Build features	
Dimensions	See the following table
Weight	See the following table
Type of box	panel
Degree of protection:	
Front panel	IP 52
Terminals	IP 00
Insulation voltage	2 kV, during 1 min, between the mechanism and the box
Standards	BS 89, EN 60051, IEC 144, UL 94, DIN 43780, IEC 51, UNE 21318

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References



Reed Frequency meters				
Type		HLC 72	HLC 96	HLC 144
Class		0,5		
Dimensions (mm)				
	a	72	96	144
	b	72	96	144
	c	49,2	49,2	71,8
Weight (g)		230	300	423
Hz				
47...53, 13 reeds	50 Hz	M12921	M12931	M12941
45..0.55, 11 reeds		M12921002	M12931002	M12941002
47...53, 7 reeds		M12921005	M12931005	M12941005
57..0.63, 13 reeds	60 Hz	M12921001	M12931001	M12941001
55..0.65, 11 reeds		M12921003	M12931003	M12941003
57..0.63, 7 reeds		M12921004	M12931004	M12941004

Dimensions

HLC

Type	a	b	c	d	e
72	72	67,2	43,5	5,7	68 ^{+0,8}
96	96	91	43,5	5,7	92 ^{+0,8}
96 (c)	96	91	57,2	5,7	92 ^{+0,8}
144	144	137	64,5	7,3	138 ⁺¹

Dimensions (mm)

Coding table

HLC Frequency meters	M	1	X	X	X	X	0	0	X	X	
	Code							Internal Code			
Frequency / No. reeds	Standard (47...53 Hz / 13 reeds)							0			
	57...63 Hz / 13 reeds							1			
	45..0.55 Hz / 11 reeds							2			
	55...65 Hz / 11 reeds							3			
	57...63 Hz / 7 reeds							4			
Voltage	47..0.53 Hz / 7 reeds							5			
	Standard (230 V)							0			
	100 ... 120 V							1			
	380 ... 400 V							3			
	440 V							4			

Connections

