

Mains Frequency Measuring Converter

AD-FM 350 GC

Description

The AD-FM 350 represents an active frequency measuring converter for alternating voltages up to 400 VAC. Sinusoidal and optionally also distorted voltage signals are possible. The measuring frequency is recorded and emitted in the required range as linear analogue signal. Input, output and supply voltage are separated from each other with high isolation values. The bipolar output enables the direct display of under or over frequency.

Application

For the representation and monitoring of one-phase mains frequency. The bipolar output shows direct under or over frequency.



Special features

- for sinusoidal or distorted voltage signals
- bipolar output for direct representation, 45 - 55 Hz or others
- integral electronic power pack with a high degree of effectiveness- compact housing construction

Specification

type	1 channel switchboard housing	
power supply	230 VAC or 20...30 VDC electronic power supply unit others on request	
power consumption	approx. 2,4 VA resp. 2 W	
input	20...400 VAC	
input overload	720 VAC continual, 1200 VAC for 1s	
test frequency	45...55 Hz (others on request)	
output	current or voltage, also bipolar	
output load	with 20 mA max. 800 ohm with 10 V, min. 500 ohm	
linearity error	< 0,3%	
accuracy	better class 0,5	
influence of temperature	< 200 ppm/K	
warm-up time	15 min.	
ripple frequency	< 50 mVss	
insulation test voltage	input/output	4 kV RMS
	signal/power supply	4 kV RMS
CE-conformity	EN 50081-2, EN 50082-2	
protection	power supply against over-voltage, over current, over temperature	
ambient temperature	0 to +50°C	

connection and dimension: AD-FM 350 GC

connection data:

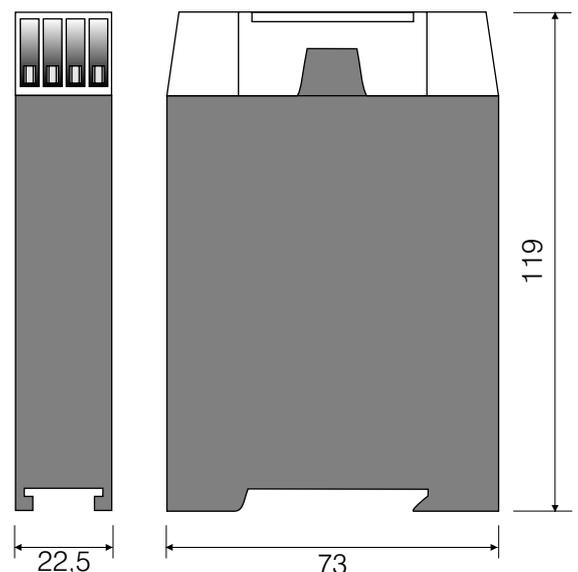
fine-wire 2,5 mm²
single-wire 4,0 mm²

manner of fastening:

attachment rail
NS 35/7,5

protection: IP-30

weight: approx. 200 g



Printed 01/2008. We reserve the right for technical changes



ADAMCZEWSKI
Elektronische Messtechnik GmbH

Felix-Wankel-Str. 13
Tel. +49 (0)7046-875
vertrieb@ad-messtechnik.de

74374 Zaberfeld
Fax +49 (0)7046-7678
www.adamczewski.com