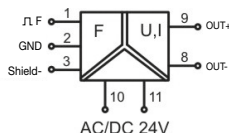


- Input: 21 selectable ranges of frequency signal
- Output: 3 selectable ranges
- Insulation: 2.5 kVac, 3-way isolation



APPLICATIONS

This module is used to convert a sinusoid or rectangular frequency signal into a standard analogue signal (e.g. 0...10 V, 0...20 mA or 4...20 mA). A microprocessor detects the signal and calculates the output value, ensuring extremely high precision and stability. Measurement range is set using a DIP switch: the device offers 64 calibrated ranges from 0...100 Hz to 0...28.8 kHz.

CONVERTERS

CODE	X756524
TYPE	CWNFA 6-0524
INPUT TECHNICAL DATA	
Signal type IN	frequency
Input range IN	0...28.8 kHz (AC/DC 0.8...30 Vpp)
Maximum voltage current signal IN	—
Input impedance IN	50 kΩ
Parametrization IN	DIP switch
OUTPUT TECHNICAL DATA	
Signal type OUT	analogue
Output range OUT	0...10 V, (max. 10.6 V) 0...20 / 4...20 mA, (max 21 mA)
Maximum output signal OUT	21 mA (voltage input)
Load impedance OUT	1 kΩ (voltage output) / 400 Ω (current output)
Ripple OUT	<5 mV
Status indication OUT	LED
Parametrization OUT	DIP switch
GENERAL TECHNICAL DATA	
Power supply voltage	24 Vac/dc (16.8...30 Vdc / 19.2...28.8 Vac)
Current consumption	20 mA
Accuracy	0.1% FSR (23°C)
Linearity error	0.02%
Temperature coefficient	<70 ppm/K
Setting time	200 ms
Transmission frequency	—
Resolution	—
Rise time	—
Operating temperature range	-25...+60°C
Insulation	2.5 kVac / 60 s
Insulation type	3-way (IN / OUT1 / power)
Standard approvals	—
EMC Standards	—
Overvoltage category / Pollution degree	II / 2
Protection degree	IP 20
Connection terminal IN / OUT	2.5 mm ² / 2.5 mm ² (screw)
Housing material	UL94V-0 plastic material
Dimensions	17.5x79x84 mm
Approximate weight	70 g
Mounting informations	on a rail, side by side
APPROVALS	CE
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—
Marking tag	TAP207A_
Plugin jumper red	—
Plugin jumper white	—
Plugin jumper blue	—
Programming kit	—

S2 ● → Switch On

Range*	1	2	3	4	5	6	8	Range*	1	2	3	4	5	6
0 – 100Hz	●	●	●	●	●	●		0 – 5kHz	●	●	●	●	●	●
0 – 200Hz	●	●	●	●	●	●		0 – 6kHz	●	●	●	●	●	●
0 – 250Hz	●	●	●	●	●	●		0 – 8kHz	●	●	●	●	●	●
0 – 400Hz	●	●	●	●	●	●		0 – 10kHz	●	●	●	●	●	●
0 – 500Hz	●	●	●	●	●	●		0 – 12kHz	●	●	●	●	●	●
0 – 750Hz	●	●	●	●	●	●		0 – 16kHz	●	●	●	●	●	●
0 – 1kHz	●	●	●	●	●	●		0 – 20kHz	●	●	●	●	●	●
0 – 1.5kHz	●	●	●	●	●	●		0 – 24kHz	●	●	●	●	●	●
0 – 2kHz	●	●	●	●	●	●		0 – 28.8kHz	●	●	●	●	●	●
0 – 2.5kHz	●	●	●	●	●	●								
0 – 3kHz	●	●	●	●	●	●								
0 – 4kHz	●	●	●	●	●	●								
Hysteresis	0.5Vpp							5Vpp						

● → Switch On S1

Output	1	2	3
0-10V	●	●	●
0-20mA	●	●	●
4-20mA	●	●	●