

Signal Isolators & Conditioners

DIN12 Flowmeter Low Frequency Pulse Signal Isolated Transmitter (one input two output)

Features:

- >> Accuracy class: 0.2
- >> High linearity (non-linearity <0.1%)
- >> 2500VDC (signal input / output signal)
- >> Power supply: 5VDC/12VDC/24VDC
- >> Input low frequency signal: 0-20Hz / 0-50Hz/0-100Hz
- >> Output two standard 0-2.5V/0-5V/0-10V voltage signal
- or two 0-10mA/0-20mA/4-20mA current signal
- >> Small size, the standard DIN35 rail installation
- >> Industrial temperature range: -20 to +85 ° C
- >> Size: 79x106.7x25mm



Typical applications:

- >> Frequency sensor signal acquisition, isolated converter
- >> Inverter (FA) frequency signal acquisition
- >> Generators, motors and other rotating equipment
- >> Transformer frequency detection
- >> Instrumentation and sensor signal transceiver
- >> Non-power signal transmission

Product Listing:

Input Signal: M		Power Supply: P		Output Signal: A or V			
Frequency signal	Code	Р	Code	Current: A	Code	Voltage: V	Code
0-20Hz	M1	24VDC	P1	0-20ma	A3	0-5V	V1
0-50Hz	M2	12VDC	P2	4-20ma	A4	0-10V	V2
0-100Hz	M3	5VDC	P3	User-defined	Au	1-5V	V6
User-defined	Mu	15VDC	P4			User-defined	Vu

DIN12 IAP – M \Box – P \Box – V(A) \Box

Samples:

- 1. Signal Input: 0-20Hz, power supply: 24V, two signal output: 0-5V Part No.: DIN12 IAP-M1-P1-V1
- 2. Signal Input: 0-50Hz, power supply: 12V, two signal output: 4-20mA Part No.: DIN12 IAP-M2-P2-A4
- 3. Signal Input: 0-100Hz, power supply: 24V, two signal output: 0-10V Part No.: DIN12 IAP-M3-P1-V2
- 4. Signal Input: 0-100Hz, power supply: 24V, two signal output: 4-20mA Part No.: DIN12 IAP-M3-P1-A4
- 5. Signal Input: 0-60Hz, power supply: 24V, two signal output: 4-20mA Part No.: DIN12 IAP-Mu(0-60Hz)-P1-A4

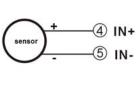


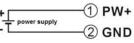
Technical Parameter:

Para	ameter Name	Test Condition	MIN.	TYPE.	MAX.	Unit
Isolation Voltage		1min	1500	2500		VDC
	Amplitude (V _{P-P})		4.5	12	30	V
Signal input	Frequency testing range		0	100	500	Hz
	Frequency input Low level		0	0	1.5	V
	Frequency input High level		4.5	12	30	V
Signal output	voltage load capacity	5V	2K	10K		Ω
	Current load capacity	20mA	0	250	350	Ω
Response Time				100	10000	ms
Dowor oupply	Voltage	User-defined	5	12	32	VDC
Power supply	Current	VD=12V		83		mA
Power Supply Loss				1		W
Work Environment Temperature			-40		85	°C
Storage Temperature			-40		85	°C

Products Connecting Diagram:

Pin	Function		Pin	Function	
1	PW+	Power Supply +	7	IN+	Frequency signal input+
2	NC	No connecting	8	IN-	Frequency signal input-
3	GND	Power Supply -	9	NC	No PIN
4	Out+	Output Signal +	10	NC	No PIN
5	Out-	Output Signal -	11	NC	No PIN
6	NC	No connecting	12	NC	No PIN





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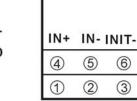
Out0+GND1 NC

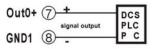
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PW+ GND INIT+ Top View

Out1+GND1 NC



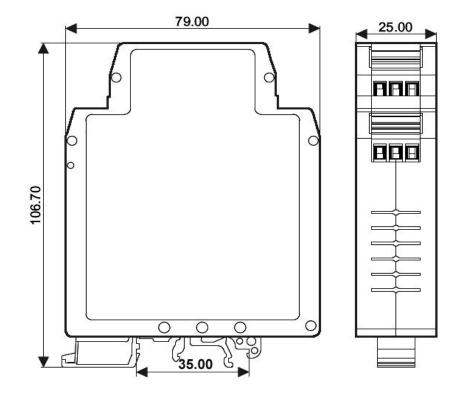


Dut1+	10-	+	DCS
	\sim	signal output	DCS PLC P C
GND1	11-	-	PC

* Specifications subject to change without notice



Size (unit:mm)



Note:

- 1. Before using, according to packing lists, and product labels, check the quantity, models and specifications
- 2. When measure the signal directly, please set the terminal tighten
- 3. There are no damaged insulation, conductive dust and corrosive fumes of metal in the environment
- 4. Installation pitch \geq 10mm
- 5. We have adjusted well, do not adjust arbitrarily
- 6. Warranty: two years. But if clients damage products by themselves or tear off any labels on the product, we can not exchange
- 7. Products can not been used in strong magnetic field
- 8. Internal no anti-lightning circuit
- 9. Specifications subject to change without notice

Warranty

Two Years

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