

FUD-PF

Single Phase/3P3W/3P4W Power Factor Transducer

As the leading product in market, FUD-PF single phase/3P3W/3P4W power factor transducer adopts the SCM as the core with the latest algorithm to achieve precise measurement of power-factor in AC circuit.

Features

1. Single phase power factor transducer
2. 3P3W power factor transducer
3. 3P4W power factor transducer
4. Adopts the SCM as the core technology
5. With the latest algorithm



Parameters

Technical Index	
Standard	GB/T 13850-1998, IEC688:1992
Accuracy	0.5%
Consumption	≤5VA
Insulation voltage	AC 2kV/min.1mA (Between input-output/power)
Insulation resistance	≥20MΩ (DC500V)
Response time	≤300ms
Input range	AC 0-6A, 0-380V(Option), 50/60Hz
Absorbed power	Per phase voltage: ≤0.5VA/220V Per phase current: <0.1VA/5A
Overload	Current: 2 times continuous, 20 times/1s;
Load resistance	Current output: RL ≤650Ω Voltage output: RL ≥2kΩ
Working environment	Temperature: -10 to +50°C RH: 20-90%, without condensation
Storage conditions	Temperature: -40 to +70°C RH: 20-95%, without condensation
Installation	35mm DIN sliding-way or M4 screws
Dimension	110mm x 75mm x 120mm

Model Description

FUD-Type-Input-Power Supply-PF range-Output

Type	Cos ϕ : single phase power factor transducer 3Cos ϕ : 3P3W power factor transducer 4Cos ϕ : 3P4W power factor transducer
AC input	V0: 57V, V1: 100V, V2: 220V, V3: 270V, V4: 400V, V5: User defined; A1: 1A, A2: 5A
Power supply	P1: AC110V \pm 10%, P2: AC220V \pm 15%
PF range	C1: 0(C)-1-0(L), C2: 0.5(C)-1-0.5(L), C3: 0-1
DC output	O1: 0-5V, O2: 1-5V, O3: 0-20mA, O4: 4-20mA, O5: 0-5V, O6: 4-12-20mA, O7: RS485

Example 1: FUD-Cos ϕ -V2-A2-P2-C2-O6

FUD Single phase power factor transducer	Input: AC220, 5A Power: AC220V \pm 15% Range: 0.5(C)-1-0.5(L) Output: DC4-12-20mA
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Example 2: FUD-3Cos ϕ -V2-A2-P2-C2-O6

FUD Three phase power factor transducer	Input: DC 0-300V Power supply: AC220V \pm 15% Output: DC4-20mA
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Please check the type, input range, output range and power supply when your order the product.