# EnergoM-QPPX

## AC Programmable Transducer
## Three phase for DIN mounting

## Description

AC programmable transducer measures a wide range of electrical parameters and generates analog or digital output signals suitable for interfacing with instrumentation and control systems. Total four channel output, with panel key or PC control programmable, user can free to set 4 different data from max 26 electrical parameter for sampling and analog signal output.

Have three channel digital inputs and RS485-Modbus communication functionality. Can monitor the galvanically isolated DI signal and programmed the transducer with customized SCADA software, any of the measured parameters can be read out via the RS485 connection.

## Features

- Accuracy 0.5 class
- 85~265VAC wide voltage AUX for most country and application
- With 4 channel output (support max 22 types parameter for analog output)
- Front panel with 4 keypad for analog parameter configuration, do not need extra configuration software.
- With RS485 port for remote electrical data
- 500ms response time
- 35mm Din rail mounting
- Advanced electrical parameter ready optional
- SOE function optional

## Technical characteristics

| | |
|---|---|
| **Electrical Signal Inputs** | |
| Nominal input | 1 or 5 Amp C.T. connected<br>110V, 230V, 240V, 400V, 415V ac +/-20% |
| Power consumption | <1 VA voltage<br><0.2 VA current |
| Overload capacity | 1.2 times continuous<br>10 times /5s for current<br>2 times / 2sec for voltage |
| Frequency range | 40~65Hz |
| **Measurment Output** | |
| Standard outputs | 4~20mA/ 0-20mA programmable<br>(0~5V / 0~10V optional) |
| Maximum load | <390 Ω (current output)<br>>10KΩ (voltage output) |
| Ripple | <1% peak to peak |
| Response time | <350ms 0-90%<br><500ms 0-99% |
| **Measurment Accuracy** | |
| Class | 0.2% / 0.5 complying with IEC 688 |
| Accurate range | 0 - 120% I |
| Frequency influence | <0.05% per Hz |
| Load influence | <0.25% of full span for specific load range |
| **Auxiliary Supply** | |
| | 85~265V AC/DC 20%, 1.5VA |
| **Galvanic isolation between input, output circuits and auxiliary su** | |
| Test voltage | 2KV RMS 50Hz for 1 minute |
| impulse | 4KV 1.2/50μsec waveform |
| **Temperature requirements** | |
| Operating | -10~55C |
| Storage | -40~70C, 20 ~ 93%RH ; Noncondensing |

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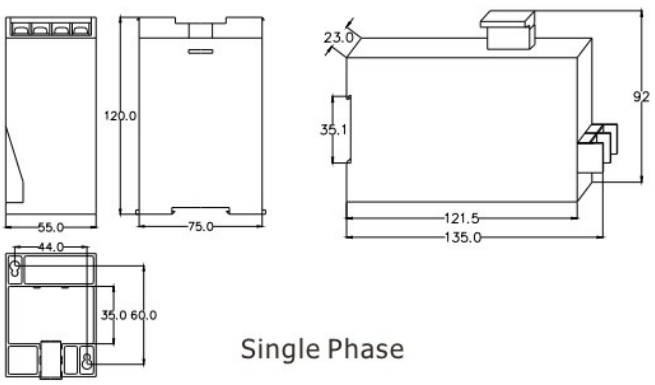
| Series Name | Optional Type |
|---|---|
| 1 Product ID | **QP:** for AC grid measurement and transducer<br>**DP:** for DC grid measurement and transducer |
| 2 Input electrical signal | **V:** single phase voltage<br>**A:** single phase current<br>**VX:** three phase voltage<br>**AX:** three phase current<br>**W:** three phase active power<br>**K:** three phase reactive power<br>**WK:** three phase active & reactive power<br>**PX:** three phase combination input (user free configure) |
| 3 Input signal range | **A0:** Customized current input<br>**A1:** 0~1A<br>**A2:** 0~5A<br>**V0:** Customized current input<br>**V1:** 0~5V<br>**V2:** 0~10V<br>**V3:** 0~100V<br>**V4:** 0~220V<br>**V5:** 0~400V |
| 4 Output signal range | **S0:** Customized current output<br>**S1:** 0~20mA<br>**S2:** 4~20mA<br>**S3:** 0~5V<br>**S4:** 0~10V |
| 5 Power supply | **P1:** 85~265VAC<br>**P2:** 24VDC<br>**P3:** 48VDC |

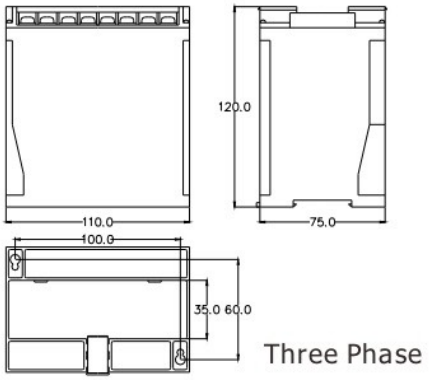
**Notes:** 1. Product specifications will change from time to time. Please contact Blue Jay for latest specifications.
2. Please confirm all the parameters with our staff before ordering.

## *Typical Dimension*

Unit: mm




Single Phase




Three Phase