Micro Pressure Controller
Model PY807WKZ

Applications

- High accuracy, high reliability
- Automatic zero stabilization function
- Full isolation, strong anti-interference ability
- Data backup function
- Multiple pressure unit switching

Special features

- Measuring ranges : -2.5 …0… 100 mbar
- Accuracy: up to 0.05 % F.S
- Large 6-digit digital display
- Automatic temperature 0 ~ 50 degrees compensation function
- Seamless switching between batteries and adapters, suitable for a variety of environments
- USB data export, data can be permanently saved

PY 807WKZ Micro Pressure Controller

Description

PY807WKZ Micro pressure controller is a high precision single range digital pressure control instrument. It consists of high-precision measuring chip, high-precision pressure sensor and other components. Internal full isolation circuit, strong anti-interference ability. With three independent relay contact outputs or a 4~20mA output. Widely used in electric power, water, water treatment, petroleum, chemical, metallurgy and other industries.

It can also be used as a pressure standardizer to complete the calibration of a variety of pressure instruments such as general pressure gauges, precision pressure gauges, etc. It is very suitable for industrial sites and laboratories.

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Specifcations

Basic information	
Pressure types	
Pressure ranges	-0.25 …0 … 100mbar
Accuracy	0.05%FS , 0.1%FS , 0.2 % FS , 0.5 % FS
Temperature compensation	-10…50 °C
Power supply	DC24V±2V
Analog output	■ 4～20mA DC (Load resistance ≤750Ω) ■ 0～10 mA DC (Load resistance ≤1.5KΩ) ■ 1～5V DC (Load resistance ≥250K) ■ 0～5V DC (Load resistance ≥250K)
Switching output	Three relay control outputs - ON/OFF (with differential)
Contact capacity	250VAC/3A, 30VDC/3A (resistive load)
Control/Alarm	Upper limit, lower limit or upper limit, lower limit control/alarm output can be selected. Alarm value with bring back difference (can be set freely)
Parameter setting	Panel touch key digital setting, parameter setting value is permanently saved after power failure, parameter setting value password locking
Units	
Pressure	bar ,mbar, Pa, kPa, MPa, PSI, kg/cm², mmH2O, mmHg, inHg
Display	
Type	Multifunctional LCD, 6 digit, with background lighting
Functions	Bar Graph, Pressure Units, Pressure Measurement, Min/Max, Overpressure Indication 120 % of Full Scale Pressure (F.S)
Process connection	
Thread	Ø8 Pagoda Fitting
Material	Brass
Housing	
Dimensions	Ø 123 mm, D=45 mm H=145 mm
Ambient conditions	-20…70°C with air humidity ≤95%r.h.
Weight	650 g

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Measuring ranges,differential pressure

Overview pressure ranges				
Type	pressure ranges(mbar)	Accuracy (± of full scale value)	media	Burst Pressure
DP2.5	-2.5…2.5	0.1(0.2)	Gas	5X
DP 10	-10…10	0.05(0.1,0.2)	Gas	4X
DP 20	-20…20	0.05(0.1,0.2)	Gas	3X
DP 50	-50…50	0.02(0.05,0.1,0.2)	Gas	4X
DP 100	-100…100	0.02(0.05,0.1,0.2)	Gas	3X

Order code					
model	Accuracy	Pressure ranges	Unit	Output	Process connection
PY 807WKZ	A002(0.02%F.S) A005(0.05%F.S) A010(0.1%F.S)	Table of reference measuring ranges	bar psi MPa kg/cm² kPa mbar mmHg mmHO inHg Pa	A: 4～20mA DC B: 0～10 mA DC C: 1～5V DC D: 0～5V DC	Ø8 Pagoda Fitting Other
Example order number **PY807WKZ-A002-GP10(0…10)bar-A-1/4NPT -N** PY807WKZ with G1/4, 0.02%F.S, 4-20 mA, 10bar (Gauge)					

ARIPY instrument CO., LTD.
www.aripyinst.com

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