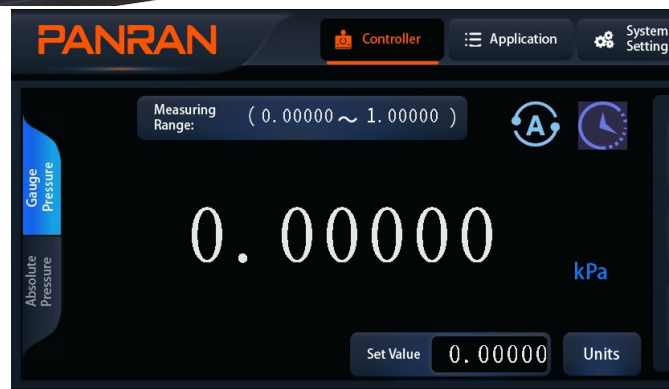


PR9120C Intelligent Pressure Controller

PR9120C Intelligent Pressure Controller combines high speed, high precision and high stability, provides a wide range of -95kPa to 10MPa, and is a multi-functional fully automatic pressure controller; built-in applications: Hart function, pressure transmitter verification, leak test, switch test, automatic step, etc.



PANRAN instruments are available in South Africa from Intercal (Pty) Ltd

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1. Product Feature

- Adopt high-quality materials, advanced manufacturing technology and strict testing standards;
- Equipped with high-precision sensors and precise control algorithms to achieve accurate measurement and control of pressure;
- The design focuses on stability and reliability to ensure stable operation under various working conditions;
- Built-in diversified applications to facilitate the calibration of different types of pressure equipment;
- Pressure control is fast and stable, in line with relevant pressure instrument calibration regulations;
- Built-in standard module or external PR9112 intelligent pressure calibrator to achieve precise control;

2. Technical Indicators

| Model & Name | PR9120C Intelligent Pressure Controller | | |
|------------------------------|---|---|---|
| Order Code | PR9120C Model I | PR9120C Model II | PR9120C Model III |
| Pressure Control Range① | (-0.095~4)MPa | (-0.095~6)MPa | (-0.095~10)MPa |
| Accuracy | 0.05%F.S 0.02%F.S | 0.05%F.S 0.02%F.S | 0.05%F.S 0.02%F.S |
| Standards② | Can be built-in 5 standard modules External PR9112 | Can be built-in 3 standard modules External PR9112 | Can be built-in 3 standard modules External PR9112 |
| Working Medium③ | Gas | Gas | Gas |
| Display | 7-inch touch screen Resolution 1024×600 | 7-inch touch screen Resolution 1024×600 | 7-inch touch screen Resolution 1024×600 |
| Pressure Control Fluctuation | <0.005%F.S | <0.005%F.S | <0.005%F.S |
| Controlling Response Time | <10s | <10s | <10s |
| Host Computer Interface | USB-A | USB-A | USB-A |

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| | | | |
|-------------------------------|---|---|---|
| Pressure Port | Φ 4mm Quick twist or lock holder | φ4mm Lock holder | φ4mm Lock holder |
| External Standard Interface | RS-232 | RS-232 | RS-232 |
| Type of Pressure Source | External gas source | External gas source | External gas source |
| Pressure Source Pressure | High pressure ≤4.2MPa Vacuum ≤0.4MPa | High pressure ≤6.2MPa Vacuum ≤0.4MPa | High pressure ≤10.2MPa Vacuum ≤0.4MPa |
| Dimension | 430mm×350mm×130mm | 430mm×350mm×130mm | 430mm×350mm×130mm |
| Weight | 10kg | 9.4kg | 9.4kg |
| Operating Ambient Temperature | (10~50)°C | (10~50)°C | (10~50)°C |
| Operating Relative Humidity | 5%~90%RH | 5%~90%RH | 5%~90%RH |
| Power Supply | Power: AC220V Max. power consumption: 100W | Power: AC220V Max. power consumption: 100W | Power: AC220V Max. power consumption: 100W |

- ① When the ambient atmospheric pressure is 100kPa.a;
- ② For the measuring range, refer to the PR9112 measuring range selection table;
- ③ Gas refers to clean and dry nitrogen or air.