

VDA-03 Gas Density Monitor Calibrator



Description

The VDA-03 Gas Density Monitor Calibrator is an intelligent, fully automatic calibration instrument that uses advanced embedded microprocessors to test the performance of Gas Density Monitors for SF₆, SF₆/N₂ hybrid and SF₆/CF₄ hybrid gases. The device has two working modes: zero-pressure mode and working pressure modes. Working pressure calibration mode tests the accuracy of GDM from the rated filling pressure to zero, while zero pressure mode starts from zero and rises to the rated pressure. This portable calibration instrument provides great convenience for the operation, testing, calibration and maintenance of electrical products.



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Features

- The instrument adopts a dual gas path design, supporting two types of gas supply methods: external gas cylinder and internal gas pump.
- The instrument is equipped with a high-performance proportional valve, and the calibration rate can be adjusted automatically according to the parameters of the calibrated instrument.
- It supports the calibration of various gas types of instruments, including pure SF₆, SF₆/N₂ mixed gas, and SF₆/CF₄ mixed gas.
- The output voltage supports 24VDC and 110VDC voltage out, and has the function of measuring contact resistance.
- It supports zero pressure and working pressure calibration methods.
- The product is equipped with a 7-inch color touch screen for easy observation and operation.
- It is equipped with a complete set of transition adapters, so that most models of switches' density monitors can be field-on-site calibrated without disassembly.
- The engineering plastic case is beautiful and durable, with a high protection level.
- It is equipped with a large capacity memory, and the calibration data can be stored for a long time.
- It is equipped with a high-speed micro thermal printer, which can print the calibration results after the calibration is completed.
- It has a USB interface for easy export of historical data and system upgrades.

Configuration

- Calibrator: 1 Unit
- Essential accessories: 1 self-sealing connection tube; 1 calibration point sampling line; 1 temperature sensor; 1 external gas cylinder & connecting tubes; 1 power cord; 1 production inspection record & 1 user manual.
- Optional accessories: 1 toolbox (including a complete set of adaptors)

Technical parameters	
Power supply	Internal rechargeable lithium battery or external 220VAC
Measuring range	Pressure calibration range 0~1Mpa; Temperature measurement range -40°C ~+100°C
Accuracy	0.1 grade
Resolution	Pressure display resolution 0.0001Mpa; Temperature display resolution 0.1°C
Density monitor contact calibration	Single signal (single alarm, single lockout), single alarm and single lockout, single alarm and double lockout
Full calibration time ≤ 5min	