

VC3129

MULTICHANNEL ISOLATION RESISTANCE MEASUREMENT INSTRUMENT

● Through survey

| Range (Ω) | Resolution (Ω) | Accuracy |
|-----------|----------------|----------------|
| 0.0~199.9 | 0.1 | ± (2%rdg+3dgt) |

- Through survey measurement should only be performed on de-energized objects.
- In case of voltage higher than 20V between test terminals, the through survey measurement will not be performed.

● port voltage measurement

| Measuring function | AC and DC voltage DCV+ACV |
|--------------------|---------------------------------------|
| Measuring range | 0~±1000Vp Frequency range: 50/60Hz |
| Resolution | 1V |
| Accuracy | ± (2%rdg+3dgt) |

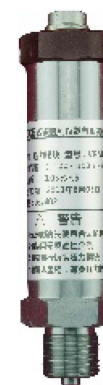
● Environmental temperature and humidity measurement

| Measuring function | Temperature | Relative humidity |
|--------------------|-------------|---|
| Measuring range | -25℃~40℃ | 0%~90%RH |
| Resolution | 1℃ | 1% |
| Accuracy | ±2℃ | ±3% (20%~80%RH) ±8% >80%RH Or <20%RH |

General index:

| | |
|---|---|
| The temperature and humidity | -25 to 40℃ ≤80%RH without dew. |
| The storage temperature and humidity | -25 to 60℃ ≤90%RH without dew. |
| Altitude | ≤2000m |
| Electrical safety grade | CAT III 600V Pollution degree 2 (display except) Digital system and simulation system: AC500V(50/60Hz) / 1 minutes |
| Overload protection | Insulation resistance test, open circuit voltage test, the test port between DC 1200V/10 seconds; Through the test: the test port between DC 50V/10 seconds |
| Insulation resistance | 50M Ω or greater / DC1000V (between the circuit and the outer box) |
| High voltage | Electrical circuit and the outer box of AC3540V (50/60Hz) /5 seconds |
| Electromagnetic compatibility (EMC) | C type |
| Protection grade | IP45 |
| Vibration and shock | Random 2G, 5 to 500Hz. The 1 metre drop test |
| Through the authentication | CE certification and CMC certification |
| Quality standard | In accordance with the ISO 9001 development, design and manufacturing |
| The calibration cycle and preheating time | In order to ensure the accuracy, and the calibration period is one year or other. Warm-up time is 10 minutes or other. |
| Display | 5 inch color high resolution TFT LCD touch screen rate display module. |
| Power supply | Rechargeable lithium battery, 12V/4500mAh |
| Size and weight | 205 × 95 × 42(mm), About 500g |
| Annex | Insulation test line 1, the charger 1, U disk, SD card, 1, 1, 1. The hanging belt 1, portable bag 1. |

VPM-S series digit pressure module



Feature:

VPM-S series digit pressure module contains more pressure type, such as gauge, compound and absolute; Self temperature compensation; Digital communication mode; the modules are compatible with VICTOR calibrators; performance to meet almost any calibration and measurement task.

- High measure accuracy: 0.05% F.S., temperature coefficient is ±0.001%/℃
- Wide measure range: -0.1~60MPa, more than a score of pressure ranges
- Wide temperature compensate range: from 0 to 50℃
- More Pressure Type: gauge, absolute and compound pressure modules available
- Digit communication output: pressure resolution is 5 digits, support exchange of pressure modules without setup and calibration.
- Self contained calibration: Calibration data are stored and processed inside the VPM. Enabling calibration and traceability follows the module.
- Portable and rugged construction: Engineered for rough field use, almost unbreakable.
- The VPM-S series digit pressure modules are compatible with VICTOR25 or VICTOR15+ calibrators.

Technology Parameter:

- Pressure Type: gauge, absolute, compound
- Pressure Unit: support more pressure units(see calibrator)
- Resolution: 5digits
- Measure media: compatible with any liquid and gases of 316 stainless steel
- Operating temperature: 0 to 50℃
- Storage temperature: -10 to 60℃
- Ingress protection rating: IP54
- Pressure interface: M20×1.5mm thread
- Module electric interface: Binder 5-pole male
- Communication Cable(Optional): Binder 5-pole female To LEMO 5-pole male, length: 1m
- Compliance EN61326-1: 2006 & IEC 61010-1: 2000
- Size: φ30×130mm
- Weight: 350g

| Pressure Module Model | Range & Acc. | Accuracy (%) | | | | |
|-----------------------|--------------|--------------|------------|-------------------------------|----------|-------|
| Model | Range(kPa) | Range(bar) | Range(psi) | Sensor type | Pressure | 0~50℃ |
| VPM100KGS | 0~100kPa | 0~1bar | 0~15psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM200KGS | 0~200kPa | 0~2bar | 0~30psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM500KGS | 0~500kPa | 0~5bar | 0~72psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM001MGS | 0~1MPa | 0~10bar | 0~150psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM002MGS | 0~2MPa | 0~20bar | 0~300psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM005MGS | 0~5MPa | 0~50bar | 0~725psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM010MGS | 0~10MPa | 0~100bar | 0~1500psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM020MGS | 0~20MPa | 0~200bar | 0~3000psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM040MGS | 0~40MPa | 0~400bar | 0~5800psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM060MGS | 0~60MPa | 0~600bar | 0~8700psi | isolated, 316 stainless steel | gauge | 0.05 |
| VPM100KAS | 0~100kPa | 0~1bar | 0~15psi | isolated, 316 stainless steel | vacuum | 0.05 |
| VPM200KAS | 0~200kPa | 0~2bar | 0~30psi | isolated, 316 stainless steel | vacuum | 0.05 |
| VPM500KAS | 0~500kPa | 0~5bar | 0~72psi | isolated, 316 stainless steel | vacuum | 0.05 |
| VPM001MAS | 0~1MPa | 0~10bar | 0~150psi | isolated, 316 stainless steel | absolute | 0.05 |
| VPM002MAS | 0~2MPa | 0~20bar | 0~300psi | isolated, 316 stainless steel | absolute | 0.05 |
| VPM005MAS | 0~5MPa | 0~50bar | 0~725psi | isolated, 316 stainless steel | absolute | 0.05 |
| VPM010MAS | 0~10MPa | 0~100bar | 0~1500psi | isolated, 316 stainless steel | absolute | 0.05 |
| VPM020MAS | 0~20MPa | 0~200bar | 0~3000psi | isolated, 316 stainless steel | absolute | 0.05 |
| VPM100KCS | -100~100KPa | -1~1bar | -15~15psi | isolated, 316 stainless steel | Compound | 0.05 |
| VPM200KCS | -100~200KPa | -1~2bar | -15~30psi | isolated, 316 stainless steel | Compound | 0.05 |
| VPM500KCS | -100~500KPa | -1~7bar | -15~100psi | isolated, 316 stainless steel | Compound | 0.05 |
| VPM001MCS | -0.1~1MPa | -1~10bar | -15~150psi | isolated, 316 stainless steel | Compound | 0.05 |
| VPM002MCS | -0.1~2MPa | -1~20bar | -15~300psi | isolated, 316 stainless steel | Compound | 0.05 |