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**Data Sheet**

August 15, 2026

HEISE

# Heise PTE-1 Handheld Digital Pressure Calibrator

Heise PTE-1 Handheld Digital Pressure Calibrator The Heise PTE-1 is a handheld digital pressure calibrator base unit with two bays for Heise HQS Quick-Select interchangeable pressure or temperature modules. OEM Heise PTE-1 product specifications list pressure module coverage from 0.25 in H<sub>2</sub>O to 10000 psi class, electrical measurement of 0 to 20 mA or 0 to 30 Vdc, and RS-232 serial communications. Field and shop calibration of pressure transmitters, gauges, and switches, plus simultaneous dual-module pressure or temperature readout for process instrumentation. The Heise PTE-1 is a handheld digital pressure calibrator base unit with two bays for Heise HQS Quick-Select interchangeable pressure or temperature modules. OEM Heise PTE-1 product specifications list pressure module coverage from 0.25 in H<sub>2</sub>O to 10000 psi class, electrical measurement of 0 to 20 mA or 0 to 30 Vdc, and RS-232 serial communications. Field and shop calibration of pressure transmitters, gauges, and switches, plus simultaneous dual-module pressure or temperature readout for process instrumentation.



MODEL

**Heise PTE-1**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**PTE-1**

LISTING

<https://aumictechlabs.com/products/pte-1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Heise PTE-1 handheld pressure calibrator is a precision instrument engineered for on-site pressure calibration tasks. Offering high accuracy and stability, it supports a variety of pressure ranges and units. Its compact, handheld design ensures portability and ease of use in diverse

industrial settings. This calibrator is suitable for maintaining and verifying the accuracy of pressure-sensitive devices.

## PTE Characteristics / Specifications

| PARAMETER                      | VALUE                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------------|
| Model                          | PTE-1                                                                                 |
| Instrument Type                | handheld digital pressure calibrator                                                  |
| Sensor Module Capacity         | 2 bays                                                                                |
| Pressure Module Range Class    | 0.25 in H2O to 10000 psi                                                              |
| Display                        | 2 line LCD                                                                            |
| Display Character Height       | 0.37 in per line                                                                      |
| Resolution                     | plus or minus 0.002 percent of span 60000 count maximum                               |
| Update Rate Nominal            | 130 ms with one sensor installed                                                      |
| Warm Up For Rated Accuracy     | 5 minutes                                                                             |
| Electrical Measurement Ranges  | 0 to 20 mA or 0 to 30 Vdc                                                             |
| Voltage Accuracy 0 To 10 Vdc   | plus or minus 0.025 percent FS                                                        |
| Voltage Accuracy 0 To 30 Vdc   | plus or minus 0.10 percent FS                                                         |
| Current Accuracy 0 To 20 mA    | plus or minus 0.03 percent FS                                                         |
| Temperature Effect Electrical  | plus or minus 0.001 percent of span perFOperating Temperature Standard: 32 F to 120 F |
| Operating Temperature Optional | minus 4 F to 120 F                                                                    |
| Storage Temperature            | minus 4 F to 158 F                                                                    |
| Serial Interface               | RS-232                                                                                |
| Baud Rates                     | 300 1200 2400 9600                                                                    |
| Dimensions                     | 7.88 inLx 4.24 inWx 3.25 inHMass Maximum With Two Modules: 2.2 lb                     |
| Case Material                  | high impact ABS                                                                       |
| Electrical Connection          | miniature recessed banana jacks                                                       |
| Datalog Capacity Optional      | up to 715 measured values                                                             |
| Power                          | two 9 V batteries or optional AC adapter                                              |
| Manufacturer                   | Heise Ashcroft                                                                        |

| PARAMETER             | VALUE                   |
|-----------------------|-------------------------|
| Operating temperature | Standard: 32 F to 120 F |

# General Specifications & Supplementary Characteristics

| PARAMETER                      | VALUE                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage temperature            | minus 4 F to 158 F                                                                                                                                                         |
| Operating temperature          | Standard: 32 F to 120 F                                                                                                                                                    |
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| Operating Temperature Standard | 32 F to 120 F                                                                                                                                                              |
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| Baud Rates                     | 300 1200 2400 9600                                                                                                                                                         |
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| Electrical Connection          | miniature recessed banana jacks                                                                                                                                            |
| Datalog Capacity Optional      | up to 715 measured values                                                                                                                                                  |
| Power                          | two 9 V batteries or optional AC adapter                                                                                                                                   |
| Manufacturer                   | Heise Ashcroft Notes From Heise PTE-1 Handheld Pressure Calibrator product specifications. Pressure accuracy is module dependent on the installed HQS Quick-Select module. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications list pressure module coverage from 0.25 in H2O to 10000 psi class, electrical measurement of 0 to 20 mA or 0 to 30 Vdc, and RS-232 serial communications.

Applications

Field and shop calibration of pressure transmitters, gauges, and switches, plus simultaneous dual-module pressure or temperature readout for process instrumentation.

Key Features

Two Quick Select sensor module bays

Simultaneous dual module LCD readout

Built in milliamp and voltage measurement

Field calibratable base electronics and modules

Optional datalogging of up to 715 values

Technical Specifications

## Technical Specifications

| PARAMETER                      | VALUE                                                   |
|--------------------------------|---------------------------------------------------------|
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| Sensor Module Capacity         | 2 bays                                                  |
| Pressure Module Range Class    | 0.25 in H2O to 10000 psi                                |
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| Display Character Height       | 0.37 in per line                                        |
| Resolution                     | plus or minus 0.002 percent of span 60000 count maximum |
| Update Rate Nominal            | 130 ms with one sensor installed                        |
| Warm Up For Rated Accuracy     | 5 minutes                                               |
| Electrical Measurement Ranges  | 0 to 20 mA or 0 to 30 Vdc                               |
| Voltage Accuracy 0 To 10 Vdc   | plus or minus 0.025 percent FS                          |
| Voltage Accuracy 0 To 30 Vdc   | plus or minus 0.10 percent FS                           |
| Current Accuracy 0 To 20 mA    | plus or minus 0.03 percent FS                           |
| Temperature Effect Electrical  | plus or minus 0.001 percent of span per F               |
| Operating Temperature Standard | 32 F to 120 F                                           |
| Operating Temperature Optional | minus 4 F to 120 F                                      |
| Storage Temperature            | minus 4 F to 158 F                                      |
| Serial Interface               | RS-232                                                  |
| Baud Rates                     | 300 1200 2400 9600                                      |
| Dimensions                     | 7.88 in L x 4.24 in W x 3.25 in H                       |

| PARAMETER                     | VALUE                                    |
|-------------------------------|------------------------------------------|
| Mass Maximum With Two Modules | 2.2 lb                                   |
| Case Material                 | high impact ABS                          |
| Electrical Connection         | miniature recessed banana jacks          |
| Datalog Capacity Optional     | up to 715 measured values                |
| Power                         | two 9 V batteries or optional AC adapter |
| Manufacturer                  | Heise Ashcroft                           |

### Technical Specifications

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| PARAMETER    | VALUE          |
|--------------|----------------|
| Manufacturer | Heise Ashcroft |

Notes  
From Heise PTE-1 Handheld Pressure Calibrator product specifications. Pressure accuracy is module dependent on the installed HQS Quick-Select module.



### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.