

Part No.

# DV0V-KIT5

*DV0V vacuum pump, -30 inHg/100kPa kPa LC10 gauge, case, 3ft hose, 6 adapters, zippered bag*

Calibration kit with pump and LC10 pressure gauge



DV0V-KIT5

## Included Items

- Hand Pump - DV0V Vacuum Pump (DV0V)
- Vacuum Reference - LC10 Vacuum gauge, 30Hg / 780 mmHg, 1/4" Male NPT bottom connection (LC10-GA2M)
- Case - DP0V, DV0V or DPPV Case (DP0V-CASE)
- Bag - Zippered bag to hold hose and adapters, nylon (SM-0084)
- Hose - Quick-test 6900 psi hose, brass hose ends, 3 ft (92 cm) long (QTQT-HOS-3ft)
- Reference Connection - 1/4" female NPT x female Quick-test, no check-valve, brass (QTHA-2FBA)
- Process Connection - 5 pc Quick-test fitting kit -1/8" MNPT, 1/8" FNPT, 1/4" MNPT, 1/4" FNPT, 1/4" Tube adapters, brass (QTHA-KIT0)

## Specs/Attributes

|              |                                 |
|--------------|---------------------------------|
| Max Pressure | 0.00 PSI / 0.00 mbar / 0.00 kPa |
| Max Vacuum   | -23.00 InHg / -77.9 kPa         |

## Hand Pump DV0V

|                            |                                 |
|----------------------------|---------------------------------|
| Max Vacuum                 | -23.00 InHg / -77.9 kPa         |
| Min Operating Temperature  | 0 °F / -18 °C                   |
| Max Operating Temperature  | 130 °F / 54 °C                  |
| Pressure Media             | Air                             |
| Fine Adjustment Resolution | 0.01 PSI / 0.07 mbar / 0.00 kPa |

## Hand Pump DV0V

|                     |                                                                |
|---------------------|----------------------------------------------------------------|
| Harmonized Code     | 8414.10.0000                                                   |
| Outlet Port         | Male Quick-test, Male Quick-test with cap and chain            |
| Country of origin   | USA                                                            |
| Materials           | Anodized Aluminum, Brass, Stainless Steel                      |
| Media Compatibility | Air, Inert Gas, Natural Gas                                    |
| Seal Materials      | Buna-N, Delrin                                                 |
| Piston Displacement | 1.25 Cu In                                                     |
| Weight              | 1.60 lbs / 725 grams                                           |
| Dimensions          | H: 2.9 in (7.37 cm) x W: 8 in (20.32 cm) x D: 3.4 in (8.64 cm) |

## Vacuum Reference LC10-GA2M

|                             |                                                                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery Count               | 2                                                                                                                                                                                                                                                                         |
| Battery Life                | 1500 Hours                                                                                                                                                                                                                                                                |
| Battery Type                | AA Alkaline (IEC-LR6)                                                                                                                                                                                                                                                     |
| Calibration Certificate     | Not included                                                                                                                                                                                                                                                              |
| Certifications              | Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, Complies with Pressure Equipment Directive 2014/68/EU, Complies with Low Voltage Directive 2014/35/EU, Complies with Electromagnetic Compatibility Directive 2014/30/EU |
| Country of origin           | USA                                                                                                                                                                                                                                                                       |
| Datalogging                 | PC based (via USB)                                                                                                                                                                                                                                                        |
| Electrical Rating           | 50 mA @ 5 VDC                                                                                                                                                                                                                                                             |
| Harmonized Code             | 9026.20.0000                                                                                                                                                                                                                                                              |
| Ingress Protection          | IP67 (1 meter water submersion for 30 minutes)                                                                                                                                                                                                                            |
| LCD Display                 | 2.4 in / 61 mm segmented LCD Display                                                                                                                                                                                                                                      |
| Materials                   | ABS / Polycarbonate Blend, Powder Coated Aluminum                                                                                                                                                                                                                         |
| Max Operating Temperature   | 120 °F / 50 °C                                                                                                                                                                                                                                                            |
| Min Operating Temperature   | -4 °F / -20 °C                                                                                                                                                                                                                                                            |
| Operating Altitude (max)    | 10,000 ft (3050 m)                                                                                                                                                                                                                                                        |
| Panel Mount                 | No                                                                                                                                                                                                                                                                        |
| Primary Power               | Battery Power                                                                                                                                                                                                                                                             |
| Process Connection Location | Bottom mount                                                                                                                                                                                                                                                              |
| Protection Class            | Pollution Degree 2 (UL / IEC 61010-1)                                                                                                                                                                                                                                     |
| Relative Humidity           | 0% to 90% (-10 to 35 °C) , 0% to 70% (35 to 50 °C)                                                                                                                                                                                                                        |
| Sensor Type                 | High Precision MEMS                                                                                                                                                                                                                                                       |
| Temperature Compensation    | None                                                                                                                                                                                                                                                                      |
| USB Connection              | USB (Micro B)                                                                                                                                                                                                                                                             |
| Wetted Materials            | 316 Stainless Steel                                                                                                                                                                                                                                                       |
| Weight                      | 12.6 oz / 355 grams                                                                                                                                                                                                                                                       |

## Vacuum Reference LC10-GA2M

|            |                                                                   |
|------------|-------------------------------------------------------------------|
| Dimensions | H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 4.1 in (10.41 cm) |
|------------|-------------------------------------------------------------------|

## Case DPOV-CASE

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Ingress Protection | IP67 (1 meter water submersion for 30 minutes), MIL-STD-810F         |
| Materials          | ABS Plastic, Polyethylene foam                                       |
| Impact Resistance  | MIL-STD-3010C                                                        |
| Weight             | 6.00 lbs / 2.72 kg                                                   |
| Dimensions         | H: 14.9 in (37.85 cm) x W: 12.1 in (30.73 cm) x D: 6.9 in (17.53 cm) |

## Bag SM-0084

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Materials         | Zippered Nylon                                              |
| Country of origin | USA                                                         |
| Weight            | 3 oz / 85 grams                                             |
| Dimensions        | H: 6 in (15.24 cm) x W: 1 in (2.54 cm) x D: 7 in (17.78 cm) |

## Hose QTQT-HOS-3ft

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Burst Pressure            | 27000 PSI / 1860 bar / 185 MPa                          |
| Color                     | Silver                                                  |
| Country of origin         | USA                                                     |
| Fluid Media               | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| Hose Length               | 3ft / 0.91 m                                            |
| Inner Diameter            | 0.08 In / 3.00 mm                                       |
| Length                    | 3 ft / 92 cm                                            |
| Materials                 | Brass                                                   |
| Max Operating Temperature | 140 °F / 60 °C                                          |
| Max Pressure              | 6900 PSI / 475 bar / 48 MPa                             |
| Max Vacuum                | -30.00 InHg / -101.6 kPa                                |
| Media Compatibility       | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| Min Operating Temperature | -40 °F / -40 °C                                         |
| Minimum Bend Radius       | 1.00 In / 26 mm                                         |
| Outer Diameter            | 0.20 In / 6.00 mm                                       |
| Type                      | QT                                                      |

## Reference Connection QTHA-2FBA

|                           |                             |
|---------------------------|-----------------------------|
| Country of origin         | USA                         |
| Has Check Valve           | No                          |
| Materials                 | Brass                       |
| Max Operating Temperature | 225 °F / 105 °C             |
| Max Pressure              | 5000 PSI / 350 bar / 35 MPa |

**Reference Connection QTHA-2FBA**

|                 |                                             |
|-----------------|---------------------------------------------|
| Max Vacuum      | 0.00 InHg / 0.0 kPa                         |
| Wrench Size     | 3/4 In<br>19 mm                             |
| Connector End 1 | 1/4" Female NPT (ASME B1.20.1)              |
| Connector End 2 | Female Quick-test                           |
| Dimensions      | H: 1.52 in (3.86 cm) x W: 0.75 in (1.91 cm) |

**Process Connection QTHA-KIT0**

|                           |                                    |
|---------------------------|------------------------------------|
| Burst Pressure            | 20000 PSI / 1380 bar / 140 MPa     |
| Country of origin         | USA                                |
| Has Check Valve           | Yes                                |
| Materials                 | Brass                              |
| Max Operating Temperature | 225 °F / 105 °C                    |
| Max Pressure              | 5000 PSI / 350 bar / 35 MPa        |
| Max Vacuum                | 0.00 InHg / 0.0 kPa                |
| Min Operating Temperature | 0 °F / -18 °C                      |
| Number of Adapters        | 5                                  |
| Number of Hoses           | 0                                  |
| Seal Materials            | Buna-N                             |
| Wrench Size               | 9/16, 5/8, 3/4 In<br>15, 16, 19 mm |