

Part No.

# DCAP-KIT3-GN

*DCAP pneumatic pump, 500 psi/3.5 MPa digital gauge, case, 3ft hose, 1/4" MNPT adapter, zippered bag*

Calibration kit with pump and digital pressure gauge



DCAP-KIT3-GN

## Included Items

- Hand Pump - DCAP Pneumatic Hand Pump (DCAP)
- Pressure Reference - LC10 pressure gauge, 500 psi / 35 bar / 3.5 MPa, 1/4" Male NPT bottom connection (LC10-GN2M)
- Reference Connection - 1/4" female NPT x female Quick-test, no check-valve, S.S. (QTHA-2FSA)
- Process Connection - 1/4" male NPT x male Quick-test, no check-valve, S.S. (QTHA-2MS0)
- Hose - Quick-test 6900 psi hose, S.S. hose ends, 3 ft (92 cm) long (QSQS-HOS-3ft)
- Case - DCAP or DCAP-PV carrying case (DCAP-CASE)
- Bag - Zippered bag to hold hose and adapters, nylon (SM-0084)

## Hand Pump DCAP

|                            |   |
|----------------------------|---|
| Pressure Media             | Air                                       |
| Fine Adjustment Resolution | 0.00 PSI / 0.01 mbar / 0.00 kPa           |
| Media Compatibility        | Air, Inert Gas, Natural Gas               |
| Burst Pressure             | 2600 PSI / 180 bar / 18 MPa               |
| Fluid Media                | Air                                       |
| Materials                  | Anodized Aluminum, Brass, Stainless Steel |
| Max Pressure               | 650 PSI / 45 bar / 4.50 MPa               |
| Max Operating Temperature  | 140 °F / 60 °C                            |
| Country of origin          | USA                                       |
| Min Operating Temperature  | 0 °F / -18 °C                             |

## Hand Pump DCAP

|                |   |
|----------------|---|
| Seal Materials | Buna-N, Delrin  |
| Outlet Port    | Male Quick-test, Male Quick-test with cap and chain           |
| Weight         | 1.75 lbs / 795 grams  |
| Dimensions     | H: 5 in (12.7 cm) x W: 3 in (7.62 cm) x D: 10.5 in (26.67 cm) |

## Pressure Reference LC10-GN2M

|                                  |   |
|----------------------------------|---|
| Battery Count                    | 2   |
| Battery Life                     | 1500 Hours  |
| Battery Type                     | AA Alkaline (IEC-LR6)   |
| Burst Pressure                   | 2000 PSI / 140 bar / 14 MPa   |
| 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   |
| Electrical Rating                | 50 mA @ 5 VDC   |
| Engineering Units                | atm, bar, cmH <sub>2</sub> O @4°C, inH <sub>2</sub> O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm <sup>2</sup> , mmHg @0°C, Torr, ftH <sub>2</sub> O @39°F, cmHg @ 0°C, oz / sqin  |
| 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  |
| Max Pressure                     | 500 PSI / 35 bar / 3.50 MPa   |
| Max Storage Temperature          | 165 °F / 75 °C  |
| Measurement Type                 | Gauge Pressure  |
| Media Compatibility              | Air, Alcohol, Antifreeze, Ethylene Glycol, Hydraulic Oil, Inert Gas, Mineral Oil, Natural Gas, Petroleum Based Oil, Skydrol, Windshield washer fluid, Transmission fluid, Light motor oil, Ralston Calibration Oil, Water   |
| Min Operating Temperature        | -4 °F / -20 °C  |
| Min Storage Temperature          | -40 °F / -40 °C   |
| Operating Altitude (max)         | 10,000 ft (3050 m)  |
| Pressure Measurement Uncertainty | +/- 0.25% of Full Scale (ASME Grade 3A/ISO Class 0.25)  |
| Process Connection               | 1/4" Male NPT (ASME B1.20.1)  |
| 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                      | Pressure Sensor   |
| USB Connection                   | USB (Micro B)   |

### Pressure Reference LC10-GN2M

|                  |   |
|------------------|---|
| Wetted Materials | 316 Stainless Steel   |
| Wrench Size      | 7/8 In<br>23 mm   |
| Weight           | 12.6 oz / 355 grams   |
| Dimensions       | H: 1.75 in (4.45 cm) x W: 3.4 in (8.64 cm) x D: 4.1 in (10.41 cm) |

### Reference Connection QTHA-2FSA

|                           |   |
|---------------------------|---|
| Country of origin         | USA   |
| Has Check Valve           | No  |
| Materials                 | Stainless Steel                             |
| Max Operating Temperature | 225 °F / 105 °C                             |
| Max Pressure              | 5000 PSI / 350 bar / 35 MPa                 |
| Max Vacuum                | 0.00 InHg / 0.0 kPa                         |
| Wrench Size               | 3/4 In<br>19 mm                             |
| Dimensions                | H: 1.52 in (3.86 cm) x W: 0.75 in (1.91 cm) |

### Process Connection QTHA-2MS0

|                           |   |
|---------------------------|---|
| Country of origin         | USA   |
| Has Check Valve           | No  |
| Materials                 | Stainless Steel                             |
| 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                               |
| Seal Materials            | Buna-N                                      |
| Wrench Size               | 9/16 In<br>15 mm                            |
| Dimensions                | H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) |

### Hose QSQS-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 |
| Inner Diameter            | 0.08 In / 3.00 mm                                       |
| Length                    | 3 ft / 92 cm  |
| Materials                 | Stainless Steel   |
| Max Operating Temperature | 140 °F / 60 °C  |

**Hose** QSQS-HOS-3ft

|                           |                             |
|---------------------------|-----------------------------|
| Max Pressure              | 6900 PSI / 475 bar / 48 MPa |
| Max Vacuum                | 0.00 InHg / 0.0 kPa         |
| 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                          |

**Bag** SM-0084

|                   |                                 |
|-------------------|---------------------------------|
| Max Pressure      | 0.00 PSI / 0.00 mbar / 0.00 kPa |
| Max Vacuum        | 0.00 InHg / 0.0 kPa             |
| Materials         | Zippered Nylon                  |
| Country of origin | USA                             |