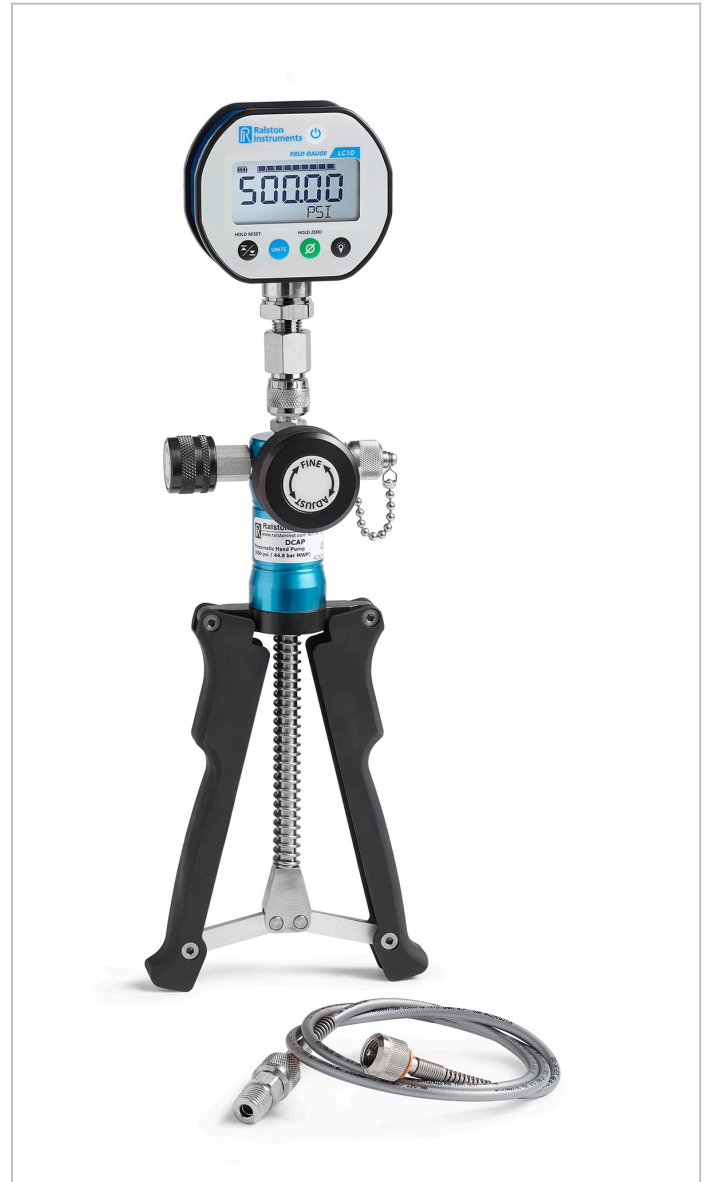


Part No.

# DCAP-1KPSIG-D

*Ralston DCAP Pressure Test Pump with 1000 psi Digital Gauge*

650 psi pneumatic hand pump, 1000 psi gauge (0.25% full scale), 3ft hose, process connection



DCAP-1KPSIG-D

## Included Items

- Hand Pump - DCAP Pneumatic Hand Pump (DCAP)
- Pressure Reference - LC10 pressure gauge, 1000 psi / 70 bar / 7 MPa, 1/4" Male NPT bottom connection (LC10-GP2M)
- 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)

## Specs/Attributes

|                            |                                    |
|----------------------------|------------------------------------|
| Country of origin          | USA                                |
| Fine Adjustment Resolution | 0.00 PSI / 0.01 mbar / 0.00 kPa    |
| Materials                  | Anodized Aluminum, Stainless Steel |

## Specs/Attributes

|                           |  |
|---------------------------|--|
| Max Pressure              | 650 PSI / 45 bar / 4.50 MPa                                    |
| Max Operating Temperature | 130 °F / 54 °C   |
| Min Operating Temperature | 0 °F / -18 °C  |
| Seal Materials            | Buna-N, Delrin, Teflon   |
| Hose 1                    | Quick-test Hose, Stainless Steel ends, 3ft / 0.9m long         |
| Pressure Reference        | Digital pressure gauge, 500 PSIG Pressure                      |
| Process Connection        | 1/4" Male NPT  |
| Reference Connection      | 1/4" Female NPT  |
| Weight                    | 1.75 lbs / 795 grams   |
| Dimensions                | H: 3.53 in (8.97 cm) x W: 6 in (15.24 cm) x D: 15 in (38.1 cm) |

## Hand Pump DCAP

|                            |   |
|----------------------------|---|
| Fine Adjustment Resolution | 0.00 PSI / 0.01 mbar / 0.00 kPa                               |
| Piston Displacement        | .67 Cu In   |
| 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   |
| Seal Materials             | Buna-N, Delrin  |
| Harmonized Code            | 8414.20.0000  |
| 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-GP2M

|                         |   |
|-------------------------|---|
| 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)  |

## Pressure Reference LC10-GP2M

|                             |   |
|-----------------------------|---|
| 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   |
| 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  |
| Connector End 1           | 1/4" Female NPT (ASME B1.20.1)                                     |
| Connector End 2           | Female Quick-test  |
| Weight                    | 1.81 oz / 51 grams   |
| Dimensions                | H: 1.52 in (3.86 cm) x W: 0.75 in (1.91 cm) x D: 0.75 in (1.91 cm) |

## Process Connection QTHA-2MS0

|                   |     |
|-------------------|-----|
| Country of origin | USA |
| Has Check Valve   | No  |

## Process Connection QTHA-2MS0

|                           |  |
|---------------------------|--|
| 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   |
| Connector End 1           | 1/4" Male NPT (ASME B1.20.1)                                       |
| Connector End 2           | Male Quick-test  |
| Weight                    | 1.01 oz / 29 grams   |
| Dimensions                | H: 1.29 in (3.28 cm) x W: 0.56 in (1.42 cm) x D: 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 |
| Hose Length               | 3ft / 0.91 m  |
| Inner Diameter            | 0.08 In / 3.00 mm                                       |
| Length                    | 3 ft / 92 cm  |
| Materials                 | Stainless Steel   |
| 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  |
| Weight                    | 2.48 oz / 70 grams                                      |