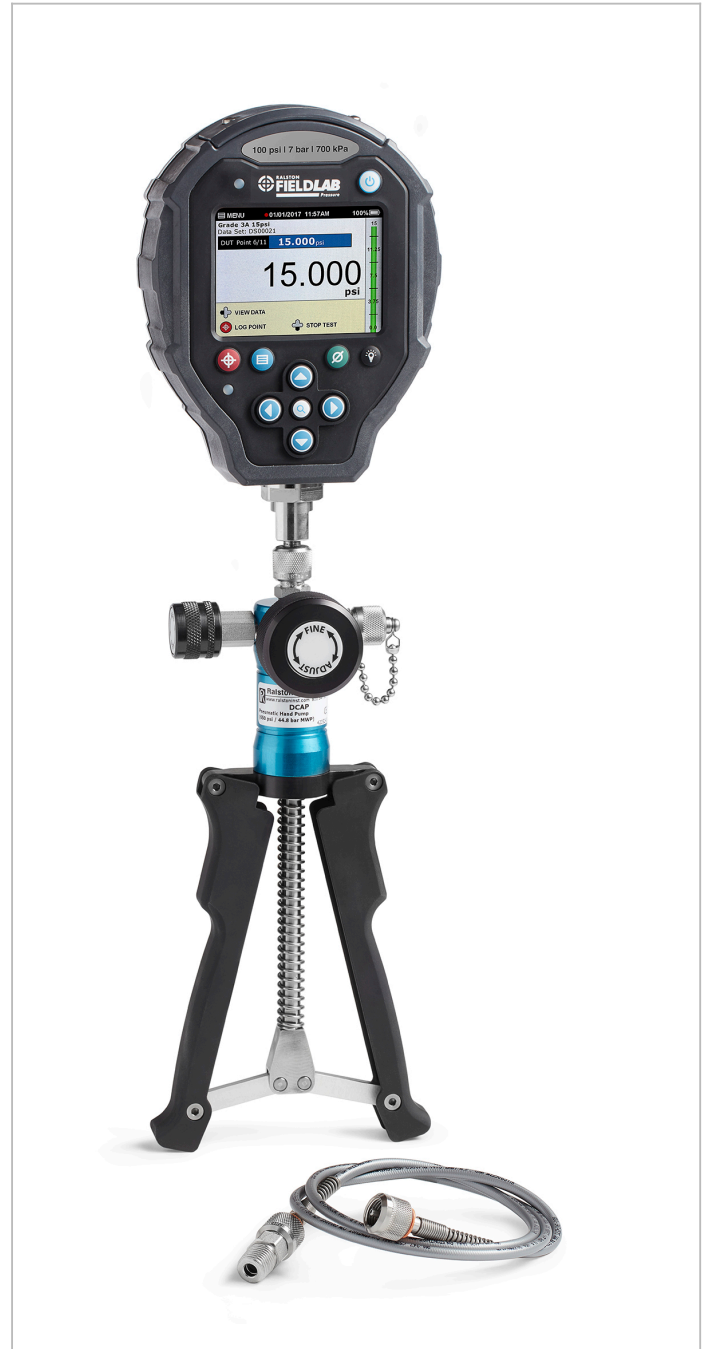


Part No.

DCAP-1KPSIG-FL

Ralston DCAP Pressure Test Pump with 1000 psi FieldLab

650 psi pneumatic hand pump, 1000 psi gauge (0.1% of reading accuracy), 3ft hose, process connection



DCAP-1KPSIG-FL

Included Items

- Hand Pump - DCAP Pneumatic Hand Pump (DCAP)
- Pressure Reference - Pressure FieldLab, 1000 psi / 70 bar / 7 MPa, Female Quick-test bottom connection (FLP1-GP-QF)
- 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

| | |
|---------------------|---|
| Media Compatibility | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
|---------------------|---|

Specs/Attributes

| | |
|----------------------------|---|
| Process Connection | 1/4" Male NPT |
| Fine Adjustment Resolution | 0.00 PSI / 0.01 mbar / 0.00 kPa |
| Materials | Anodized Aluminum, Stainless Steel |
| 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 | Pressure FieldLab, 500 psi / 35 bar / 3.5 MPa |
| Reference Connection | None |
| Country of origin | USA |
| Weight | 4.40 lbs / 2.00 kg |
| Dimensions | H: 3.53 in (8.97 cm) x W: 6 in (15.24 cm) x D: 17.5 in (44.45 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 FLP1-GP-QF

| | |
|---------------------------------|--|
| Accuracy - Pressure Measurement | +/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale) |
| Battery Count | 1 |
| Battery Life | 1000 Hours |
| Battery Type | Lithium Ion rechargeable, 4.8 Ah Capacity |

Pressure Reference FLP1-GP-QF

| | |
|---------------------------|--|
| Burst Pressure | 4000 PSI / 275 bar / 28 MPa |
| Calibration Certificate | ISO 17025:2017 Accredited |
| Certifications | Certified to CSA Standard C22.2 No. 61010-1, Conforms to UL / IEC / EN / AS Standard No. 61010-1, North America - Class 1 Division 1 Groups A-D, T4, (-10 < Ta < 50 °C), ATEX - Ex II 1 G Ex ia IIC T4 Ga (-10 < Ta < 50 °C), IECEx - Ex ia IIC T4 Ga (-10 < Ta < 50 °C), UN/DOT 38.3 (Lithium Batteries), 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 Adapters | North America, Europe, United Kingdom, Australia, China |
| Country of origin | USA |
| Datalogging | 2 million points (onboard) |
| Engineering Units | atm, bar, cmH2O @4°C, inH2O @39°C, kPa, MPa, mbar, psi, inHg @39°F, kgf / cm ² , mmHg @0°C, Torr, mmH2O @4°C, ftH2O @39°F, cmHg @ 0°C, oz / in ² |
| Harmonized Code | 9026.20.0000 |
| LCD Display | 3.5 in / 90mm Color TFT LCD Display |
| Materials | 316 Stainless Steel, Reinforced Polyamide |
| Max Operating Temperature | 120 °F / 50 °C |
| Max Pressure | 1000 PSI / 70 bar / 7.00 MPa |
| Max Storage Temperature | 165 °F / 75 °C |
| Measurement Type | Gauge Pressure |
| Media Compatibility | Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water |
| Min Operating Temperature | 14 °F / -10 °C |
| Min Storage Temperature | -20 °F / -29 °C |
| Mounting Holes | 3 x M5 Inserts (10 mm deep) |
| Operating Altitude (max) | 10,000 ft (3050 m) |
| Power Input | 90-264 VAC, 50-60 Hz |
| Primary Power | Battery Power |
| Process Connection | Female Quick-test |
| 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) |
| Seal Materials | Teflon, Viton |
| Sensor Type | High Precision MEMS |
| USB Connection | USB (Type B) |
| Wetted Materials | 316 Stainless Steel |
| Wireless | None |
| Connector End 1 | Female Quick-test |
| Weight | 2.56 lbs / 1.16 kg |
| Dimensions | H: 9 in (22.86 cm) x W: 5 in (12.7 cm) x D: 2.5 in (6.35 cm) |

Process Connection QTHA-2MS0

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 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 |