Part No.

DCAP-500PSIG-FL

Ralston DCAP Pressure Test Pump with FieldLab

650 psi pneumatic hand pump, 500 psi gauge (0.1% of reading accuracy), 3ft hose, process connection

DCAP-500PSIG-FL

Included Items

- Hand Pump - DCAP Pneumatic Hand Pump (DCAP)
- Pressure Reference - Pressure FieldLab, 500 psi / 35 bar / 3.5 MPa, Female Quick-test bottom connection (FLP1-GN-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)

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Specs/Attributes

Media Compatibility	Air, Inert Gas, Natural Gas, Petroleum Based Oil, Water
Process Connection	1/4" Male NPT
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
Country of origin	USA
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
Fine Adjustment Resolution	0.001 psi / 7 Pa
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

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
Fine Adjustment Resolution	0.001 psi / 7 Pa
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-GN-QF

Accuracy - Pressure Measurement	+/- 0.02% of Full Scale (0-20% of Full Scale), +/- 0.1% of Reading (20-100% of Full Scale)

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Pressure Reference FLP1-GN-QF

Battery Count	1
Battery Life	1000 Hours
Battery Type	Lithium Ion rechargeable, 4.8 Ah Capacity
Burst Pressure	2000 PSI / 140 bar / 14 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
Data Logging	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	500 PSI / 35 bar / 3.50 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

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Pressure Reference FLP1-GN-QF

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

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

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Hose QSQS-HOS-3ft

Type	QT
Weight	2.48 oz / 70 grams