

P5500 Adapters, Separators and Dirt/Moisture Traps

Deadweight Tester Accessories

Fluke Calibration provides the complete solution for pressure calibration using a deadweight tester, including accessories for test media separation, dirt / moisture traps, dial gauge pointer removers, angle adapters, and two gauge test stands.

P5521 and P5522 Liquid-to-Liquid Separators



These liquid-to-liquid separators connect directly to the test port of a hydraulic deadweight tester or comparison test pump. A flexible diaphragm separates the fluids, protecting the calibrator from contamination, and allows calibration of the device in its specific working fluid.

- P5521-For pressures to 10,000 psi (700 bar)
- P5522-For pressures to 7,000 psi (480 bar) for Skydrol or other aggressive fluids

P5523 Liquid-to-Gas Media Separator



Pressure range 0 to 3,000 psi (210 bar)

For high pressure pneumatic calibrations this unit interfaces with hydraulic deadweight testers providing a rateless liquid-to-gas separation. Driven by a pneumatic pressure source (nitrogen bottle) and controlled by needle valves, high pressure gas is balanced against the liquid in a hydraulic deadweight tester through a series of fluid traps.

** Note---since fluid mist may be transferred during operation we do not recommend this device for oxygen safe instruments using an oil operated deadweight tester*

P5531 Dirt / Moisture Trap



Pressure range 0 to 500 psi (35 bar)

Dirt / moisture traps provide an effective barrier against the transfer of moisture and dirt from an instrument under test to the sensitive piston/cylinder assembly of a pneumatic deadweight tester. Unexpected particle contamination or fluid inside the device under test will be prevented from entering the deadweight system, avoiding downtime for maintenance or repair. Designed for operation in the vertical position these traps are simple to dismantle and easy to clean.

Designed to mount directly on the deadweight tester and featuring an acrylic chamber for visibility of contaminates this unit utilizes the standard test port adapters for easy instrument connections.

P5532 Dirt / Moisture Trap



Pressure range 0 to 3,000 psi (210 bar)

Dirt / moisture traps provide an effective barrier against the transfer of moisture and dirt from an instrument under test to the sensitive piston/cylinder assembly of a pneumatic deadweight tester. Unexpected particle contamination or fluid inside the device under test will be prevented from entering the deadweight system, avoiding downtime for maintenance or repair. Designed for operation in the vertical position these traps are simple to dismantle and easy to clean.

This high pressure version is provided with an aluminum central chamber for safety and utilizes the standard test port adapters.

P5540, P5541, and P5542 Adapter Sets



These thread adapters come in metric, BSP & NPT sizes to help you make connections with Fluke P5500 series hydraulic and pneumatic comparison test pumps, media separators & accessories.

P5540 Metric

M14 x 1.5, M20 x 1.5, 1/8 and 1/4 BSP

P5541 BSP

1/8, 1/4, 3/8 and 1/2 BSP

P5542 NPT

1/8, 1/4, 3/8 and 1/2 NPT

P5543 Angle Adapter



To calibrate gauges with the pressure connection on the rear (for example, panel mount gauges) in their correct operating position, an angle adaptor should be used. The angle adapter uses the standard gauge adapters and positions the gauges at 90°. The maximum working pressure of this unit is 10,000 psi (700 bar).

P5544 Two Gauge Stand



This adapter mounts directly to the test port of the calibrator and allows for the calibration of two instruments at the same time, or the connection of a reference test instrument. Maximum working pressure is 10,000 psi (700 bar).

P5551 Pointer Remover / Punch



This tool is designed to quickly remove and consistently refit the pointer of a pressure gauge.

Specifications

P5521 and P5522 Liquid-to-Liquid Separators

Specifications	
Pressure Range	P5521: 0 to 10,000 psi (700 bar) P5522: 0 to 7,000 psi (480 bar) for Skydrol and other aggressive fluids
Instrument Size (W x H)	4 x 6 in (100 x 150 mm)
Instrument Weight	7.5 lb (3.5 kg)
Test Port Adapter	Uses adapters supplied with calibrator
Calibrator Connection	3/8 BSP male (mating adapter supplied)
Body Material	Aluminum bronze
Diaphragm	5521- Viton® 5522-Ethylene Propylene
Reservoir Material	Hard-anodized aluminum

P5523 Liquid-to-Gas Media Separator

Specifications	
Instrument Size (W x D x H)	17.5 x 12 x 8.5 in (440 x 300 x 215 mm)
Instrument Weight	24 lb (11 kg)
Test Port Adapters	2 sets, 1/8, 1/4, 3/8 and 1/2 NPT or BSP
Gas Supply Connection	1/4 NPT female

P5531 Dirt / Moisture Trap

Specifications	
Pressure Range	0 to 500 psi (35 bar)
Body Material	Stainless steel
Chamber Material	Acrylic
O-Rings	Nitrile
Test Port Connection	As supplied with calibrator
Deadweight Connection	3/8 BSP male (mating adapter supplied)

P5532 Dirt / Moisture Trap

Specifications	
Body Material	Stainless steel
Chamber Material	Aluminum
O-Rings	Nitrile
Test Port Connection	As supplied with calibrator
Deadweight Connection	3/8 BSP male (mating adapter supplied)

P5543 Angle Adapter

Specifications

Body materials	Stainless steel
O-Rings	Nitrile
Test Port Adapters	As supplied with calibrator
Calibrator Connection	3/8 BSP male (mating adapter supplied)

P5544 Two Gauge Stand

Specifications

Body Material	Brass and Stainless steel
O-Rings	Nitrile
Test Port Adapters	1 set, 1/8, 1/4, 3/8 and 1/2 NPT or BSP and adapters supplied with calibrator
Calibrator Test Connection	1/2 BSP male (mating adapter supplied)