

TECHNICAL DATA

Fluke Calibration 700HPPK Pneumatic Test Pump Kit



Key features

- Generate and adjust pneumatic pressures up to 21 MPa (3000 psi)
- Rugged, portable and stable enough to go anywhere -- on any surface
- Reaches pressure in 20 seconds to full scale into a 10 cm³ volume
- Detachable pressure adjustment system for adjusting pressure, connecting reference and test devices on bench and in the field, and isolating and venting pressure
- Easily switch out reference gauges without requiring PTFE tape or tools
- 2-meter (6.5-foot) pressure line and assorted pressure fittings enable a wide variety of possible connections
- In-line filter and desiccant systems protect device from contamination from the DUT

Product overview: Fluke Calibration 700HPPK Pneumatic Test Pump Kit

Generate 21 MPa (3000 psi) easily in the field, without liquid contamination or the hazard of a pressurized gas cylinder

The Fluke Calibration 700HPPK Pneumatic Test Pump Kit generates and adjusts pneumatic pressures up to 21 MPa (3000 psi), without requiring a nitrogen bottle or other external pressure supply. It supplies pressure to devices under test (DUTs) that include transmitters, controllers, pilots, digital and analog gauges, and more. It's the perfect solution for generating high pressure in the field, where conditions and operating surfaces can vary.

The 700HPPK is the ideal choice for calibration technicians, test engineers, and instrument technicians working in industries like natural gas transmission and distribution, process, aerospace and defense, who need a simple-to-use, safe and portable pressure source that they can depend on in a wide variety of conditions.

The 700HPPK contains both a calibration manifold and high pressure pump to generate and finely adjust pressures. A second model, the 700HPP, is available for people who only prefer a high pressure source.

Use the 700HPPK Test Pump Kits with 2700G Reference Pressure Gauges or 700G Precision Pressure Gauges for a complete pressure calibration solution.

Use the 700HPPK just about anywhere

The 700HPPK is designed to be at home in the lab or the field. Lightweight and portable, it features collapsible feet, built-in handhold, and a canvas carrying case, making it easy to carry to the field.

The 700HPPK works on just about any surface, so you don't need a flat laboratory bench or flat area in the field.

With the 700HPPK, you don't need to carry a lot of extra equipment or accessories. No PTFE tape or extra tools are required thanks to a swivel 1/4 NPT female reference gauge connector that makes switching reference gauges fast and easy.

The pump kit is designed so that the calibration manifold attaches and detaches easily via quick detent pins. You won't need to spend a lot of time setting it up or packing it away at the end of the day.

Generate high pressure accurately and safely for a wide workload

The 700HPPK generates pressure up to 21 MPa (3000 psi) within 20 seconds to full scale into a 10 cm³ volume. A detachable pressure adjustment system and adjustment control knob enables users to make fine pressure adjustments to 0.1% of reading or better. The 700HPPK includes a 2 meter (6.5-foot) pressure line and assorted pressure fittings, enabling you to connect a wide variety of DUTs for wide workload coverage. In fact, the 700HPPK covers at least five times more workload than standard range pneumatic pumps. An in-line filter system protects the system against contamination from the unit under test.

Specifications: Fluke Calibration 700HPPK Pneumatic Test Pump Kit

	700HPP	700HPPK
Maximum working pressure	21 MPa 3000 psi	21 MPa 3000 psi
Time to generate full scale pressure with 10 cc volume(s)	20	20
Weight	5.5 kg (12.2 lbs.)	7.2 kg (15.8 lbs.)
Reference gauge connection	1/4 NPT, quick connect	1/4 NPT, quick connect
Inlet supply contamination protection	Desiccant filter	Desiccant filter
DUT contamination protection filter	None	100 micron
Fine adjustment resolution	n/a	0.05% rdg
Maximum leak rate (with isolation valve closed)	n/a	0.01% rdg
Dimensions	66 cm x 25 cm x 13 cm (26 in x 10 in x 5 in)	66 cm x 30.5 cm x 13 cm (26 in x 12 in x 5 in)



Supplied test port adapters	NPT: 1/8, 1/4 NPT BSP: 1/8, 1/4 BSP MET: M14, M20, 1/4 NPT	NPT: 1/8, 1/4 NPT BSP: 1/8, 1/4 BSP MET: M14, M20, 1/4 NPT
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Ordering information



700HPPK-NPT

High Pressure Pneumatic Pump/Comparator, 21 MPA (3000 psi), NPT

Includes:

- Pump/Comparator
- Canvas Carrying Bag
- High Pressure Pneumatic Quick Service Kit (Seals for Pump)
- Dry Pac Refill
- Silicone Grease
- High Pressure Hose
- Test Port Adapters

700HPP-NPT

High Pressure Pneumatic Test Pump, 21 MPA (3000 psi), NPT

Includes:

- Pump
- Canvas Carrying Bag
- High Pressure Pneumatic Quick Service Kit (Seals for Pump)
- Dry Pac Refill
- Silicone Grease
- High Pressure Hose
- Test Port Adapters

700HPPK-BSP

High Pressure Pneumatic Pump/Comparator, 21 MPA (3000 psi), BSP

Includes:

- Pump/Comparator
 - Canvas Carrying Bag
 - High Pressure Pneumatic Quick Service Kit (Seals for Pump)
 - Dry Pac Refill
 - Silicone Grease
 - High Pressure Hose
 - Test Port Adapters
-

700HPP-BSP

High Pressure Pneumatic Test Pump, 21 MPA (3000 psi), BSP

Includes:

- Pump
 - Canvas Carrying Bag
 - High Pressure Pneumatic Quick Service Kit (Seals for Pump)
 - Dry Pac Refill
 - Silicone Grease
 - High Pressure Hose
 - Test Port Adapters
-

700HPPK-MET

High Pressure Pneumatic Pump/Comparator, 21 MPA (3000 psi), Metric

Includes:

- Pump/Comparator
 - Canvas Carrying Bag
 - High Pressure Pneumatic Quick Service Kit (Seals for Pump)
 - Dry Pac Refill
 - Silicone Grease
 - High Pressure Hose
 - Test Port Adapters
-

700HPP-MET

High Pressure Pneumatic Test Pump, 21 MPA (3000 psi), Metric

Includes:

- Pump
 - Canvas Carrying Bag
 - High Pressure Pneumatic Quick Service Kit (Seals for Pump)
 - Dry Pac Refill
 - Silicone Grease
 - High Pressure Hose
 - Test Port Adapters
-

700HPM

High Pressure Pneumatic Calibration Manifold, 21 MPa (3000 psi)

700HPF-NPT

High Pressure Premium Fittings, NPT Fittings, 21 MPa (3000 psi)

Includes:

- 3/8 NPT Male
 - 1/2 NPT Male
 - 1/8 NPT Female
 - 1/4 NPT Male Swivel
 - 1/4 NPT Female Swivel
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700HPF-BSP

High Pressure Premium Fittings, BSP Fittings, 21 MPa (3000 psi) Includes:

- 3/8 BSP Male
 - 1/2 BSP Male
 - 1/8 BSP Female
 - 1/4 BSP Male Swivel
 - 1/4 BSP Female Swivel
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700HPF-MET

High Pressure Premium Fittings, Metric Fittings, 21 MPa (3000 psi)

Includes:

- 1/8 NPT male
 - M20 male swivel
 - 1/4 NPT male X N20 female
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