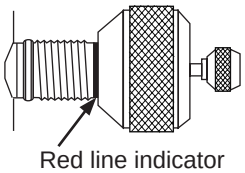
Caution

To maintain proper operation of the fine adjustment knob, never unscrew the fine adjustment knob past the red line. If you do go past the red line, vent the pressure from the system before you re-engage the piston.



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8. Tighten the pressure release valve (item ⑥).
9. If you want to limit the maximum pressure that can be developed by the pump, tighten the maximum-stroke limiting adjustment nuts (item ⑤). This also reduces the amount of pressure increase per stroke.
10. To apply very low pressures, use the fine adjustment knob only (item ⑦).
11. Squeeze the handles together to apply incrementally higher pressure. For pressure over 7 bar (100 psi), use two hands.
12. Adjust the pressure using the fine adjustment knob (item ⑦).

Replacement Parts

Hose assembly, Fluke PN 2029186

Seal kit, Fluke PN 2029173

Handle and main piston assembly, Fluke PN 2029199

Limited Warranty & Limitation of Liability

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, send your defective calibrator to the nearest Fluke Authorized Service Center with a description of the problem. THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

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FLUKE®

Fluke-700PTP Pneumatic Test Pump

Instruction Sheet

Introduction

The Fluke 700PTP Pneumatic Test Pump (hereafter called the pump) is a handheld device that develops precise pressure and vacuum. The pump has the following specifications:

- Pressure to 40 bar (600 psi)
- Vacuum to -0.96 bar (-13.9 psi)
- Wetted materials: anodized aluminum, brass, nitrile, and nylon.
- Weight: 1.43 lb (650 g)
- Dimensions: length 8.66 in (220 mm), width 4.13 in (105 mm), depth 2.48 in (63 mm)

Box Contents

- Model 700PTP Pneumatic Test Pump with hose and 1/4-in. NPT female adapter
- 3/8-in. BSP male to 1/4-in. NPT female adapter installed in the master instrument port
- Replacement seal kit for the pump
- Instruction Sheet

How to Contact Fluke

To contact Fluke, call one of the following numbers:

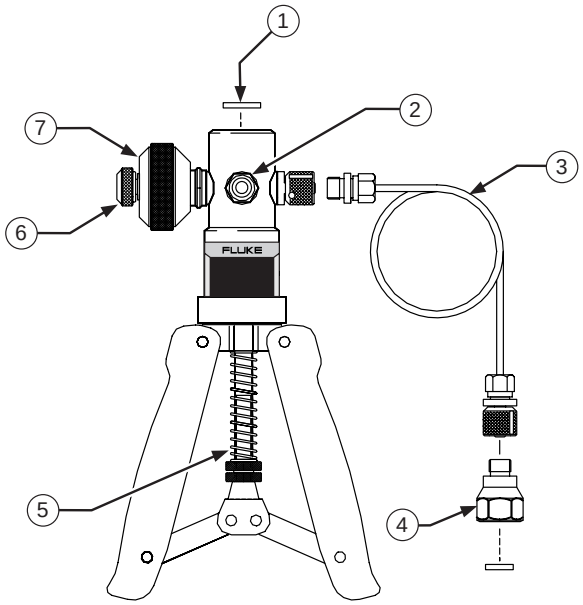
USA: 1-888-99-FLUKE (1-888-993-5853)
Canada: 1-800-36-FLUKE (1-800-363-5853)
Europe: +31 402-675-200
Japan: +81-3-3434-0181
Singapore: +65-738-5655
Anywhere in the world: +1-425-446-5500

Visit us on the World Wide Web at:

www.fluke.com

PN 688736
December 1997, Rev.1, 8/02

Features of the Test Pump



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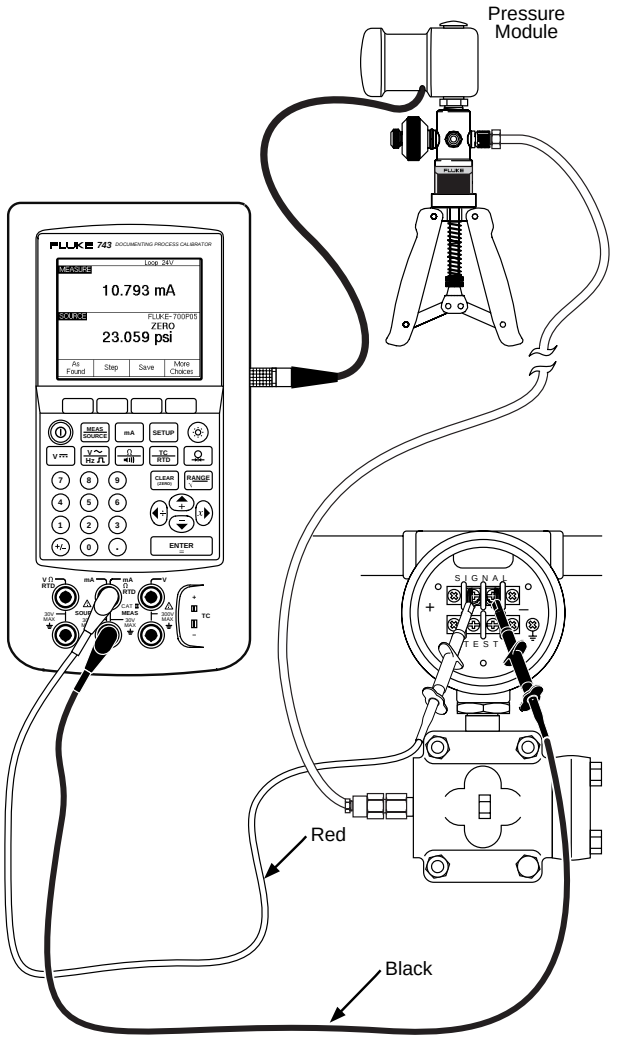
No.	Item	Function
①	Master instrument port	Port for Fluke 700 Series Pressure Module. Supplied with 3/8-in. BSP to 1/4-in. NPT adapter installed.
②	Pressure / vacuum button	Push in from this side for vacuum, and from the other side for pressure. Use a small screwdriver.
③	Test pressure port hose	Flexible hose to pressure instrument under test.
④	Test pressure port	1/4-in. NPT adapter
⑤	Maximum stroke limiter	To limit the pressure from the hand pump, tighten these nuts to shorten the compression stroke.
⑥	Pressure release valve	Unscrew to vent pressure from the pump. Tighten the valve to close the valve before you apply pressure.
⑦	Fine adjustment knob	Allows you to precisely adjust the applied pressure.

Using the Test Pump



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Warning

To avoid a violent release of pressure, always depressurize the system slowly using the pressure release valve (item ⑥, left) before you detach any pressure line from the pump. Do not connect the pump to an external pressure source.

1. Attach a 700 Series Pressure Module (hereafter called “pressure module”) to the master instrument port.
2. Connect the pressure module to the calibrator as shown in the figure.
3. Connect the test pressure port hose (item ③) to the pressure input of the pressure instrument under test.
4. Make sure the pressure/vacuum button (item ②) is in the desired postion.
5. Unscrew the pressure release valve (item ⑥) to vent pressure from the pump.
6. Zero the pressure module. The zeroing procedure depends on which pressure module and calibrator you are using.
7. Turn the fine adjustment knob (item ⑦) to mid-range.