

# 6270A

## Pressure Controller/Calibrator

### Safety Information

### Introduction

The Fluke Calibration 6270A Pressure Controller/Calibrator (the Product) precisely measures and controls pneumatic pressures up to 20 MPa (3000 psi). It can be used to calibrate, characterize, or test of a wide variety of pressure measurement devices such as transmitters, gauges, and switches. Its fully modular design gives it extreme rangeability and makes the Product easy to maintain.

### Contact Fluke Calibration

To contact Fluke Calibration, call one of the following telephone numbers:

- Technical Support USA: 1-877-355-3225
- Calibration/Repair USA: 1-877-355-3225
- Canada: 1-800-36-FLUKE (1-800-363-5853)
- Europe: +31-40-2675-200
- Japan: +81-3-6714-3114
- Singapore: +65-6799-5566
- China: +86-400-810-3435
- Brazil: +55-11-3759-7600
- Anywhere in the world: +1-425-446-6110

To see product information and download the latest manual supplements, visit Fluke Calibration's website at [www.flukecal.com](http://www.flukecal.com).

To register your product, visit <http://flukecal.com/register-product>.

### Safety Specifications

#### Input Power

Voltage ..... 100 V ac to 240 V ac, 47 Hz to 63 Hz, 100 W max.  
 Fuse ..... T2 A 250 V

#### Temperature

Operating..... 15 °C to 35 °C  
 Calibration..... 18 °C to 28 °C  
 Storage..... -20 °C to 70 °C

#### Relative Humidity (non-condensing)

Operating..... 5 % to 95 % relative humidity, non-condensing

#### Altitude

Operating..... <2000 m  
 Storage..... 0 m to 12000 m

Safety..... IEC 61010-1, Overvoltage category II, Pollution Degree 2, IP20

#### Maximum Working Pressure

Supply Port..... 23 MPa (3300 psi) gauge  
 Test Port..... 20 MPa (3000 psi) absolute  
 Reference Port ..... 115 kPa (17 psi) absolute  
 Vent Port ..... 150 kPa (22 psi) absolute

#### Switch Test Electrical Terminals

Max Voltage ..... 30 V dc with respect to chassis ground

*Note*

*For proper operation, the Vent port must be left open to atmosphere.*

*The maximum working pressures of the Test, Reference, and Vent ports will be further limited depending upon the range of the active Pressure Measurement Module.*

## Safety Information

A **Warning** identifies conditions and procedures that are dangerous to the user.

### Warning

To prevent possible electrical shock, fire, or personal injury:










- Only assemble and operate high-pressure systems if you know the correct safety procedures. High-pressure liquids and gases are hazardous and the energy from them can be released without warning.
- Read all safety information before you use the Product.
- Carefully read all instructions.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible. Pressure modules may be exchanged through the front panel while the Product is turned on.
- Use this Product indoors only.
- Do not put the Product where access to the mains power cord is blocked.
- Use only the mains power cord and connector approved for the voltage and plug configuration in your country and rated for the Product.
- Make sure the ground conductor in the mains power cord is connected to a protective earth ground. Disruption of the protective earth could put voltage on the chassis that could cause death.
- Replace the mains power cord if the insulation is damaged or if the insulation shows signs of wear.
- Use the Product only as specified, or the protection supplied by the Product can be compromised.
- Before the Product is used to apply pressure, ensure the integrity of all components to be pressurized and make sure they are rated to adequate working pressure.

- Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.
- Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.
- Do not use the Product if it operates incorrectly.
- Disable the Product if it is damaged.
- Use only specified replacement parts.
- Have an approved technician repair the Product.
- Do not disable safety interlocks or pressure-relief devices.

## Symbols

The symbols used in the manuals and on the Product are shown below.

### Symbols

Symbol	Description
	Hazardous voltage. Risk of electric shock.
	Risk of Danger. Important information. See Manual.
	Fuse
	Earth Terminal
	Conforms to relevant North American Safety Standards.
	Conforms to European Union directives.
	Conforms to relevant Australian EMC standards.
	Conforms to relevant South Korean EMC Standards.
	This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste. Go to Fluke's website for recycling information.

**LIMITED WARRANTY AND 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, alteration, contamination, 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, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that 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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