

# 721Ex

## Pressure Calibrator

### *Safety Sheet*

Go to [www.fluke.com](http://www.fluke.com) to register your product, download manuals, and find more 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.
- Only operate the Product in non-hazardous areas or classified areas where this device is certified to operate.
- Use the correct terminals, function, and range for measurements.
- 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.
- Remove all probes, test leads, and accessories before the battery door is opened.
- Do not exceed the Measurement Category (CAT) rating of the lowest rated individual component of a Product, probe, or accessory.
- Do not use and disable the Product if it is damaged.
- Remove the input signals before you clean the Product.
- Use only specified replacement parts.
- Have an approved technician repair the Product.

- Use the Product only as specified, or the protection supplied by the Product can be compromised.
- Only change batteries in an area known to be non-hazardous.
- The battery door must be closed and locked before you operate the Product.
- Do not improperly apply pressure. Vacuum should not be applied to any gauge pressure sensor. The Product display shows “OL” when an inappropriate pressure is applied. If “OL” is shown on any pressure display, the pressure should be reduced or vented immediately to prevent Product damage or possible personnel injury. “OL” is shown when the pressure exceeds 110 % of the nominal range of the sensor or when a vacuum in excess of 2 PSI is applied on gauge range sensors.
- Push the ZERO button to zero the pressure sensor when vented to atmospheric pressure.
- Check entity parameters before making any connections to this Product.
- Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures that exceed the battery manufacturer’s specifications. If the batteries are not removed, battery leakage can damage the Product.
- Replace the batteries when the low battery indicator shows to prevent incorrect measurements.
- Be sure that the battery polarity is correct to prevent battery leakage.
- Repair the Product before use if the battery leaks.
- Use only specified replacement parts.

## ***Ex-Hazardous Areas***









An Ex-hazardous area as used in this manual refers to an area made hazardous by the potential presence of flammable or explosive vapors. These areas are also referred to as hazardous locations.

The Product has been designed for use in Ex-Hazardous Areas. These are areas where potentially flammable or explosive vapors may occur. These areas are referred to as hazardous (classified) locations in the United States, as Hazardous Locations in Canada, as Potentially Explosive Atmospheres in Europe and as Explosive Gas Atmospheres by most of the rest of the world. The Product is designed as intrinsically safe. This means that connecting the Product to equipment that is used within intrinsically-safe circuits will not cause an ignition-capable arc as long as the entity parameters are suitably matched.

### **Warning**

**To prevent possible personal injury, check entity parameters before making any connections to this device.**

## Symbols

Symbol	Description
	Risk of Danger. Important information. See Manual.
	Hazardous voltage. Risk of electric shock.
	Conforms to European Union directives
	Conforms to relevant South Korean EMC Standards.
	Battery
	Conforms to ATEX requirements
	Conforms to relevant Australian 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.

## Safety Specifications

Batteries ..... 4 AA batteries (alkaline)

Only these batteries are approved for use with this product:

Duracell MN1500

Rayovac 815

Panasonic LR6XWA

Energizer E91

Operating Temperature ..... -10 °C to +45 °C (14 °F to +113 °F)


Storage

With Batteries ..... Per battery manufacturer's specification, not to exceed storage specification without batteries.

Without Batteries..... -20 °C to +60 °C (-4 °F to +140 °F)

Altitude ..... 2000 m

Ex-Hazardous Area Markings ...  Ex ia IIB T3 Gb

(Ta= -10... +45 °C) 

KEMA 10 ATEX 0168X

Ex ia IIB T3 Gb (Ta= -10...+45 °C)

II 2 G IECEx CSA 10.0013X

Manufactured by Martel Electronics, Inc.,

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Derry, NH, USA

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for three years 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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