

Pressure Modules LEC-P for LEC series multi-function calibrator

Applications

- Calibration service companies/service industry
- Instrument and control workshops
- Industry (Laboratories, workshops und production)
- Quality assurance

Special Features

- Easily interchangeable external pressure modules
- Accuracy: 0.025 % (incl. calibration certificate)
- Pressure ranges: from 0 ... 20 mbar up to 0 ... 700 bar
- Relative, vacuum, absolute, differential pressure
- Isolated and non-isolated measurements, range dependant



Pressure Module LEC-P

Description

General

LR-Cal offers 29 standard pressure modules, covering gauge, vacuum, absolute, compound, and differential measurements.

With the Pressure Module Adapter, all modules are fully compatible with the Multi-Function Calibrators LEC 200, and the High-Precision Process Calibrator LEC 1000

Pressure ranges may be displayed in any of 13 userselectable units. Water density correction factors of 4 °C, 20 °C, or 60 °F can be selected for either water column unit. The choice of pressure unit may be restricted by limitations on resolution of the instrument display of the particular calibrator the module is used with.

For optimum mechanical strength, external pressure connection is made by a 1/8" FNPT 316SS connector welded to a stainless steel metal plate.



Pressure Module Adapter Order-Code: [LEC-DMA](#)

Specifications Pressure Modules

Pressure ranges	mbar	0 ... 20*	0 ... 70*	0 ... 350	0 ... 500	0 ... 700	
Over pressure	%	400	400	400	300	300	
Accuracy		±0.1 %	±0.05 %	±0.025 % ±0.21 mbar	±0.035 % ±0.17 mbar	±0.025 %, ±0.17 mbar	
Pressure ranges	bar	0 ... 1	0 ... 2	0 ... 3.5	0 ... 7	0 ... 10	0 ... 20
Over pressure	%	300	300	300	300	200	200
Accuracy		±0.025 % ±0.17 mbar	±0.025 %	±0.03 %	±0.025 %	±0.035 %	±0.025 %
Pressure ranges	bar	0 ... 35	0 ... 70	0 ... 100	0 ... 200	0 ... 350	0 ... 700
Over pressure	%	200	200	200	200	200	120
Accuracy		±0.025 %	±0.025 %	±0.035 %	±0.1 %	±0.1 %	±0.1 %
Pressure ranges	bar	-0.35 ... 0*	-1 ... 0*	-1 ... +1*	-1 ... +2*		
Over pressure	%	400	300	300	300		
Accuracy		±0.025 % ±0.21 mbar	±0.025 % ±0.17 mbar	±0.025 % ±0.17 mbar	±0.025 % ±0.17 mbar		
Pressure ranges	bar abs	0 ... 1	0 ... 2	0 ... 3.5	0 ... 7	0 ... 20	
Over pressure	%	300	300	300	300	200	
Accuracy		±0.025 % ±0.17 mbar	±0.025 %	±0.03 %	±0.025 %	±0.025 %	
Pressure ranges	bar differential	0 ... 0.35*	0 ... 2*	0 ... 3.5*			
Over pressure	%	400	300	300			
Accuracy		±0.025 % ±0.21 mbar	±0.025 %	±0.03 %			
Types of pressure		Relative, absolute, vacuum and differential pressure					
Pressure connection		1/8" NPT female					
Pressure medium		All liquids and gases compatible with 316 stainless steel*					
Material							
■ Wetted parts		316 stainless steel*					
■ Housing		stainless steel metal plate and plastics					
Dimensions							
■ Pressure module	mm	105 (L) x 51 (W) x 27 (D)					
■ Adapter	mm	102 (L) x 85 (W) x 51 (D)					
■ Built together	mm	135 (L) x 85 (W) x 51 (D)					
Weight							
■ Pressure module	g	110					
■ Adapter	g	140					

* The measuring ranges which are thus marked are to be used exclusively with clean and non-corrosive gases.

Scope of Supply

- Pressure module LEC-P...
- Pressure module adapter Order-Code [LEC-DMA](#) (order separately)

Pressure module is only for use with

- LR-Cal portable multi-function calibrator LEC 200
- LR-Cal High-Precision Process Calibrator LEC 700 (bench type)

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.

