

Pressure module

Model CPT6600

WIKA Data Sheet CT 83.81

Applications

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

Special Features

- For use with CPH6600, CEP6000, CEP6100, CED7000
- Easily interchangeable external pressure modules
- Accuracy: up to 0.025 % (incl. calibration certificate)
- Pressure ranges: from 0 ... 20 mbar up to 0 ... 700 bar
- Relative, vacuum, absolute, differential pressure



WIKA pressure module model CPT6600

Description

General

WIKA offers 27 standard pressure modules, covering gauge, absolute, compound, and differential measurements.

With the pressure module adapter, all modules are fully compatible with the hand-held pressure calibrator with integrated pump model CPH6600, the multi-function calibrators model CEP6000, the documenting multi-function calibrator model CEP6100 and the high-precision process calibrator model CED7000

Pressure ranges may be displayed in any of 13 user selectable 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.



Pressure module adapter

Specifications

Model CPT6600

Pressure ranges	mbar	-20 ... +20 ¹	-70 ... +70 ¹	-350 ... +350 ¹	-500 ... +500 ¹	-700 ... +700 ¹	
Overpressure safety	%	400	400	400	300	300	
Positive accuracy		±0.1 %	±0.05 %	±0.075 %	±0.07 %	±0.03 %	
Vacuum accuracy		±0.15 %	±0.1 %	±0.1 %	±0.1 %	±0.05 %	
Pressure ranges	bar	-1 ... +1 ¹	-1 ... +2 ¹	-0.8 ... +3.5	-0.8 ... +7	-0.8 ... +10	-0.8 ... +20
Overpressure safety	%	300	300	300	300	200	200
Positive accuracy		±0.04 %	±0.025 %	±0.03 %	±0.025 %	±0.03 %	±0.025 %
Vacuum accuracy		±0.04 %	±0.025 %	±0.03 %	±0.025 %	±0.03 %	±0.025 %
Pressure ranges	bar	0 ... 1	0 ... 2	0 ... 35	0 ... 70	0 ... 100	0 ... 200
Overpressure safety	%	300	300	200	200	200	200
Accuracy		±0.025 %	±0.025 %	±0.025 %	±0.025 %	±0.035 %	±0.05 %
Pressure ranges	bar	0 ... 340	0 ... 700				
Overpressure safety	%	200	120				
Accuracy		±0.05 %	±0.1 %				
Pressure ranges	bar abs	0 ... 1	0 ... 2	0 ... 3.5	0 ... 7	0 ... 20	
Overpressure safety	%	300	300	300	300	200	
Accuracy		±0.04 %	±0.025 %	±0.03 %	±0.025 %	±0.025 %	
Pressure ranges	bar differential	0 ... 0.35 ¹²	0 ... 2 ¹²	0 ... 3.5 ¹²			
Overpressure safety	%	400	300	300			
Accuracy		±0.075 %	±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 ³					
Temperature range	°C	15 ... 35					
Temperature coefficients		0.0015 % of FS per °C outside the range of 15 ... 35 °C					
Material							
■ Wetted parts		316 stainless steel ¹					
■ Housing		stainless steel 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	ca. 110					
■ Adapter	g	ca. 140					
CE conformity							
■ EMC directive		2004/108/EC, EN 61326 Emission (Group 1, Class B) and Immunity (portable measurement equipment)					

¹ Non-Isolated: The measuring ranges which are thus marked are to be used exclusively with clean and non-corrosive gases.

² The maximum static pressure is 14 bar

³ Only for use with safe media in reference to directive 67/548/EEC (article 2, paragraph 2)

Scope of Supply

- Model CPT6600 WIKA pressure module
- Pressure module adapter (order separately!)

Pressure module is only for use with

- Portable Multi-Function Calibrator CEP6000
- Documenting Multi-Function Calibrator CEP6100
- High-Precision Process Calibrator CED7000
- Hand-Held Pressure Calibrator with integrated pump CPH6600

© 2007 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.
The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.

