

Accreditation No.	193
Accreditation Date	05/10/2002
CURRENT ACCREDITATION	Click here for more information.
Last Scope Review	7/9/2021
Corporate Name	PRESYS INSTRUMENTOS E SISTEMAS LTDA.
Laboratory Name	PRYME LAB LABORATORY
Situation	Active
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Calibration Service Group	PRESSURE
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SCOPE OF ACCREDITATION - ABNT NBR ISO/IEC 17025 - CALIBRATION

Service description	Parameter, Range and Method	Measurement and Calibration Capability (CMC)
<i>(Performed at permanent facilities)</i>		
PRESSURE AND VACUUM MEASUREMENT - RELATIVE PRINCIPLE		
Analog Manometer	0.002 kPa to 0.2 kPa	*0.12%
	> 0.2 kPa up to 1.4 kPa	*0.024%
	> 1.4 kPa up to 9.7 kPa	*0.004%
	> 9.7 kPa up to 110 MPa	0.01%
	Comparison Method with Pressure Scale.	
	Comparison method with standard manometer.	
Differential Analog Manometer	0.002 kPa to 0.2 kPa	*0.12%
	> 0.2 kPa up to 1.4 kPa	*0.024%
	> 1.4 kPa up to 9.7 kPa	*0.004%
	> 9.7 kPa up to 110 MPa	*0.01%
	Comparison Method with Pressure Balance (differential pressure).	
	Comparison method with standard manometer (differential pressure	

digital manometer	0.002 kPa to 0.2 kPa	*0.12%
	> 0.2 kPa up to 1.4 kPa	*0.024%
	> 1.4 kPa up to 9.7 kPa	*0.004%
	> 0.0097 MPa to < 0.012 MPa	*0.009%
	0.012 MPa to 7 MPa	*0.008%
	> 7 MPa up to 110 MPa	*0.016%
	Comparison Method with Pressure Scale. Comparison method with standard manometer.	
Absolute Pressure Digital Manometer	0.0014 MPa to <0.012MPa	*0.009%
	0.012 MPa to 7 MPa	*0.008%
	Comparison Method with Pressure Scale and Barometer.	
Differential Digital Manometer	0.002 kPa to 0.2 kPa	0.12%
	> 0.2 kPa up to 1.4 kPa	0.024%
	> 1.4 kPa up to 9.7 kPa	*0.004%
	> 0.0097 MPa to < 0.012 MPa	*0.009%
	0.012 MPa to 7 MPa	*0.008%
	> 7 MPa up to 110 MPa	*0.016%
	Comparison Method with Pressure Balance (differential pressure). Comparison method with standard manometer (differential pressure).	
Pressure Transducer / Transmitter with Output in Electric Unit	0.0014 MPa up to 70 MPa	*0.015%
	Comparison method with pressure scale and multimeter / voltage or current meter.	
Digital Vacuum Gauge	0.002 kPa to 0.2 kPa	0.12%
	> 0.2 kPa up to 1.4 kPa	0.024%
	> 1.4 kPa up to 9.7 kPa	*0.004%
	> 0.0097 MPa to 0.100 MPa	*0.011%
	Comparison Method with Pressure Scale	

Comments:

1. Measurement and Calibration Capability (CMC) refers to the lowest uncertainty that the Laboratory is able to obtain, with a coverage probability or confidence level of approximately 95%. If the laboratory uses more than one method to perform a given calibration or measurement, the CMC will refer to the method by which the laboratory obtains the lowest measurement uncertainty. (See NIT-Dicla-021)
2. The CMC identified by an asterisk (*) does not include all contributions from the calibrated instrument or standard or the measured device.
3. The Laboratory may declare in its calibration certificates, measurement uncertainties greater than its CMC, due to contributions relative to the properties or characteristics of the standard or calibrated measuring instrument.