

Name of Accreditation Program	JCSS Accreditation Program
Accreditation No.	JCSS0143
Date of Initial Accreditation	2006-07-05
Latest Date of Issue	2017-08-31
Name and Address of Accredited Organization	Calibration Service Center, Nagano Keiso Co., Ltd. 2416-27, Fujiyama, Ueda-shi, Nagano 386-1212, JAPAN JCN 2010801008718
Inquiry Point	Quality Assurance Section Tel: +81-268-38-8353 FAX: +81-268-38-8609
Accreditation Standards	ISO/IEC 17025:2005 (Calibration)
Accreditation Scope	As attached

*JCN : Japan Corporate Number

General Field of Calibration : PressureDate of Initial Accreditation of the Field : 2006-07-05Permanent Laboratory/On-site Calibration : Permanent Laboratory

Type of Service		Calibration Scope			CMC (Level of Confidence Approximately 95 %)
Pressure Gauge	Pressure Balance	Gas	Gauge Pressure	From 2 kPa up to 100 kPa	The larger one of the two 0.008 % or 0.8 Pa
				More than 100 kPa up to 2 MPa	The larger one of the two 0.008 % or 10 Pa
		Liquid	Gauge Pressure	From 0.2 MPa up to 20 MPa	The larger one of the two 0.008 % or 0.32 kPa
				More than 20 MPa up to 100 MPa	The larger one of the two 0.008 % or 2.0 kPa
				More than 100 MPa up to 200 MPa	0.010 %
		Liquid Manometer	Water Type	Gauge Pressure	From 2 kPa up to 20 kPa
	Mercury Type		Gauge Pressure	From 2 kPa up to 220 kPa	The larger one of the two 0.063 % or 40 Pa
	Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas	Gauge Pressure	From -90 kPa less than -10 kPa	The larger one of the two 0.013 % or 4.0 Pa
				From -10 kPa up to -2 kPa	3.2 Pa
				From 2 kPa up to 10 kPa	0.8 Pa
				More than 10 kPa up to 100 kPa	The larger one of the two 0.0063 % or 1.3 Pa
				More than 100 kPa up to 2 MPa	The larger one of the two 0.0063 % or 10 Pa
			Absolute Pressure	From 2 kPa up to 100 kPa	The larger one of the two 0.013 % or 5.0 Pa
				More than 100 kPa up to 2 MPa	The larger one of the two 0.01 % or 25 Pa
			Differential Pressure	From 10 Pa up to 100 Pa [Line Pressure: 100 kPa \pm 10 kPa (Absolute Pressure)] [Line Pressure: From 10 kPa up to 80 kPa (Gauge Pressure)]	0.2 Pa
More than 0.1 kPa up to 10 kPa [Line Pressure: 100 kPa \pm 10 kPa (Absolute Pressure)] [Line Pressure: From 10 kPa up to 80 kPa (Gauge Pressure)]				The larger one of the two 0.008 % or 0.32 Pa	

Type of Service		Calibration Scope			CMC (Level of Confidence Approximately 95 %)
Pressure Gauge	Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas	Differential Pressure	More than 10 kPa up to 100 kPa [Line Pressure: From 20 kPa up to 100 kPa (Gauge Pressure)]	The larger one of the two 0.0063 % or 1.3 Pa
				More than 100 kPa up to 1.5 MPa [Line Pressure: From 20 kPa up to 100 kPa (Gauge Pressure)]	The larger one of the two 0.0080 % or 20 Pa
				From 0.2 MPa up to 1.0 MPa [Line Pressure: From 0.5 MPa up to 1 MPa (Gauge Pressure)]	The larger one of the two 0.008 % or 40 Pa
		Liquid	Gauge Pressure	From 0.2 MPa up to 5 MPa	0.32 kPa
				More than 5 MPa up to 20 MPa	The larger one of the two 0.0063 % or 0.40 kPa
				More than 20 MPa up to 50 MPa	The larger one of the two 0.0063 % or 1.6 kPa
				More than 50 MPa up to 100 MPa	0.008 %
				More than 100 MPa up to 200 MPa	0.01 %

Type of Service		Calibration Scope			CMC (Level of Confidence Approximately 95 %)
Pressure Gauge	Mechanical Type Pressure Gauges	Gas	Gauge Pressure	From -90 kPa less than -10 kPa	The larger one of the two 0.05% or 20 Pa
				From -10 kPa up to -2 kPa	6.3 Pa
				From 2 kPa up to 10 kPa	5.0 Pa
				More than 10 kPa up to 400 kPa	The larger one of the two 0.05 % or 20 Pa
				More than 400 kPa up to 2 MPa	The larger one of the two 0.05 % or 0.25 kPa
			Absolute Pressure	From 5 kPa up to 100 kPa	The larger one of the two 0.05 % or 25 Pa
				More than 100 kPa up to 2 MPa	The larger one of the two 0.05 % or 0.10 kPa
			Differential Pressure	From 20 Pa up to 200 Pa [Line Pressure: From 10 kPa up to 80 kPa (Gauge Pressure)]	2.0 Pa
				More than 0.2 kPa up to 1 kPa [Line Pressure: From 10 kPa up to 80 kPa (Gauge Pressure)]	2.5 Pa
				More than 1 kPa up to 10 kPa [Line Pressure: From 10 kPa up to 80 kPa (Gauge Pressure)]	6.3 Pa
				More than 10 kPa up to 40 kPa [Line Pressure: From 20 kPa up to 100 kPa (Gauge Pressure)]	13 Pa
				More than 40 kPa up to 100 kPa [Line Pressure: From 20 kPa up to 100 kPa (Gauge Pressure)]	The larger one of the two 0.063 % or 25 Pa
				More than 100 kPa up to 1.5 MPa [Line Pressure: From 50 kPa up to 500 kPa (Gauge Pressure)]	
				Liquid	Gauge Pressure
		More than 2 MPa up to 5 MPa	2.5 kPa		
		More than 5 MPa up to 7 MPa	4.0 kPa		
		More than 7 MPa up to 10 MPa	5.0 kPa		
		More than 10 MPa up to 100 MPa	The larger one of the two 0.063 % or 10 kPa		
		More than 100 MPa up to 200 MPa	The larger one of the two 0.063 % or 0.10 MPa		

Permanent Laboratory/On-site Calibration : On-site Calibration

Type of Service		Calibration Scope			CMC (Level of Confidence Approximately 95 %)
Pressure Gauge	Pressure Gauges (Digital Pressure Gauges, Pressure Transducers)	Gas	Gauge Pressure	From 200 kPa up to 500 kPa	The larger one of the two 0.013 % or 40 Pa
				More than 500 kPa up to 2 MPa	0.016 %
	Mechanical Type Pressure Gauges	Liquid	Gauge Pressure	From 1 MPa up to 50 MPa	The larger one of the two 0.050 % or 0.63 kPa
		Gas	Gauge Pressure	From 200 kPa up to 2 MPa	The larger one of the two 0.05 % or 0.13 kPa
				Liquid	Gauge Pressure
		More than 3.5 MPa up to 5 MPa	3.2 kPa		
		More than 5 MPa up to 10 MPa	6.3 kPa		
		More than 10 MPa up to 20 MPa	13 kPa		
		More than 20 MPa up to 35 MPa	20 kPa		
More than 35 MPa up to 50 MPa	32 kPa				