

Air Leak Tester that is Sophisticated yet Easy-to-Use



AIR LEAK TESTER LS-R700

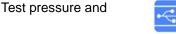
Features



Easy-to navigate and intuitive interface with simple menu configuration



Waveform Display of Test pressure and Differential pressure



User selectable multi-language capability: English, Japanese and Chinese



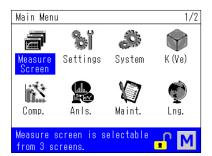
USB Port for easy test data management



Mastering feature provides highly accurate test results

Air-operated valve performance, DPS/PS Offset, CPU

performance and others



Intuitive operation makes test parameter programming easy.

Self-check



Measurement screens are selectable among 3 depending on the situation.



Settings Menu is easy-to-follow. The Guidance Bar at the bottom gives you a simple explanation what the item is.

Diamless	Color 3.5-inch LCD		Air-Blow (Intelligent Pneumatic Circuit): The pneumatic circuit is cleaned at the end of every leak test.	
Display	Selectable from 6 different measurement screens			
Intelligent	Comes with self-check features: Sensor sensitivity,	Sensor Protection		
Pneumatic Circuit	Air-valve performance		External Exhaust Valve Ready: Valve is sold	
K(Ve)	K(Ve) can be setup using Leak Master to measure		separately.	
Automatic Setup	leak coefficient to convert measured pressure to a flow rate.	Exhaust Interference Prevention	Exhaust timing will be controlled for the cases where multiple cavities are tested simultaneously.	
Leak Limits	Two sets of leak limits: Medium/Small leaks on Work-side (UL/UL2) and Master-side (LL/LL2)	Charge Hold	Tester pressurizes the tested part continuously. Used to locate leaks.	
Electro-pneumatic Control of	For the models come with Electro-pneumatic regulator, different test pressure can be set independently for each channel.	Serial Communication	RS-232C: (Rear panel) USB: (Front panel)	
		Other Display	Error Code, I/O Monitor, Channel Title, Counter	
Test Pressure		Mastering Settings	Maximum Idle Time, Day of Week, Interval, Iteration, Consecutive Triggers, Mastering Limits	
Noise Reduction NR	Eliminates noise by repeating the DET stage when readings falls between DET UL and DET UL2. (For canceling Cycle over settings)	Quick Mounting	Tester can be mounted/removed with only two screws. Good for mounting the tester in the	
Inspection and Calibration	Offset and span check of Differential Pressure Sensor	Brackets	limited space.	
	(DPS) Offset and span check of Pressure Sensor (PS)	Control I/O	Both for NPN-PNP Phoenix Contact connector: wire connection can	
0	Mastering, Auto-Drift Compensation,		be done with a flat-bladed screwdriver.	
Compensation	Fixed Compensation			

Pneumatic Circuit (Intelligent 1 Pneumatic Circuit) PRESSURE SOURCE PRESSURE SOURCE AOOKPA AOOKPA

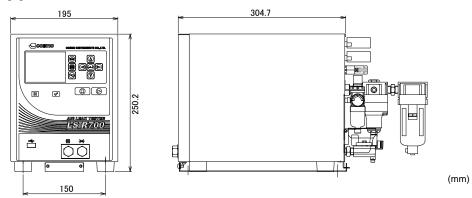
■ Specifications

	Resolution	1	0.1 Pa	Test Pressure	Clean air regulated to the test pressure.	
Differential Pressure Sensor (Standard)	Display Range		±999.9Pa	source	The source pressure must be sufficiently higher than the	
			(Accuracy Guaranteed: ±1000Pa)	course	test pressure.	
	Reading Accuracy		±2.5% of rdg ±1Pa	Pilot Pressure	Clean air regulated from 400 to 700 kPa	
			50Pa or lower: ±2Pa	1 liot i ressure		
	Proof Pressure		5 MPa	Tube Diameter	Rc(PT) 1/4: Test pressure, WORK and MASTER ports	
	Test Pressure Unit		kPa, MPa, PSI, kg/cm ² , bar, mbar,		6mm quick disconnect fitting: Pilot pressure	
			mmHg, cmHg, inHg	CPU	SH-2A 144MHz DRAM 8MB	
	Leak Unit		Pa, kPa, mL/s, mL/min, L/min, Pa•m³/s,	RS-232C (DB 9 pins)	I/F fixed length ID/F fixed length	Test parameters are transmitted as well as test results.
			E-3 Pa•m³/s, Pa/s, Pa/min, *Pa/s, *Pa/min			
			mmH ₂ O, inH ₂ O, mmHg, in ³ /min, in ³ /d, , ft ³ /h			
	K(Ve) Unit (Leak Coefficient)		mL, L, in ³ , ft ³		T/F fixed length	Only test results are transmitted
					Other formats	
Leak Display 4 digits		4 digits	Sampling Rate: 10 times/s		T . D . O	Judgment, Leak, Test pressure,
Leak Limit Range		±999.9Pa		USB Port	Test Data Output	Channel#, Timers and others
Number of Channels		32 channels (#0 to #31)			Test Parameters	Copy all the test parameters in a csv file
Timers		Up to 999.9 s (Resolution: 0.1 s)				
Power Source		100 to 240 VAC ±10% at 50/60 Hz, 80 VA max		Accessories	Oil mist separator and regulator for Test pressure, Filter	
Ambient Temperature		5~45 °C			regulator for Pilot pressure, Quick mounting brackets,	
Humidity		80 %RH or less / no dew condensation			Control I/O connector, Power cord, Inspection Record,	
Mass		Approx. 10 kg (Standard model)			Operation manual, Traceability related documents	

■ LS-R700 - ABC-D

	Α	Pneumatic Circuit	A1: Intelligent 1 Pneumatic Circuit, A2: Intelligent 1 Pneumatic Circuit AS1: Small Volume A1 Circuit, AS01: Micro Volume Circuit, C: Secondary Pressure Circuit	
В	Pressure Range	Precision Regulator	L02 : 5 to 20kPa, L : 10 to 100kPa, M : 50 to 800kPa, V : -5 to -100kPa, H20 : 2.0MPa or lower (H20 models come with no regulator.)	
		EP Regulator	LR : 10 to 95kPa, MR : 50 to 800kPa, VR : -5 to -75kPa	
	С	Options	J: Leak Master Ready, B: Bypass Circuit Ready	
	D	Power Cord	VA: 125VAC/7A Length: 3m, VE: 250VAC/10A Length: 2m (CE conformed)	

■ External Appearance



^{*} Information in this document is correct as of July 2013. The specifications are subject to change without prior notice.

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