





Loaded with advanced features evolved throughout our extensive knowledge and experiences



FULL-COLOR TOUCH-SCREEN DISPLAY

Easy-to-navigate and intuitive interface with simple menu configurations



MULTI-LANGUAGE CAPABILITY & QUICK ACCESS

Selectable from English, Japanese, Chinese, Korean, German, Spanish and Portuguese. Jumps to the screen selected from Advanced Settings, System Settings, Comp, System Settings, Settings Backup/Restore and Error Log



WAVEFORM MEASUREMENT DISPLAY

Graphical display of the test pressure and measured differential pressure



CAL DRIVING VALVE for LEAK MASTER (Type J) ALC (AUTO LEAK CALIBRATER) (Type K)

Convenient calibration tool selectable as an option



AUTOMATIC SETUP FEATURE FOR EASY PROGRAMMING

Supports initial test parameter programming by determining stage timers



USB PORT FOR EASY DATA STORAGE

Test results can be automatically copied to a USB Memory after every test. Test parameters and System data backup can be stored as well.



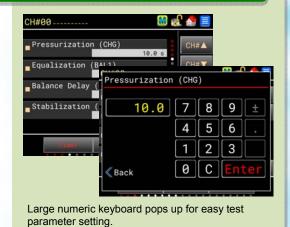
MASTERING FEATURE PROVIDES HIGHLY ACCURATE TEST RESULTS

Provides faster and more accurate test results by compensating for environmental drifts. Using the Mastering feature, variety of parts can share a Master Chamber as a reference.

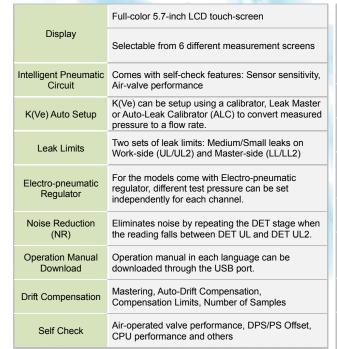
Easy-to-navigate configuration with icons



Settings Menus



Other Features

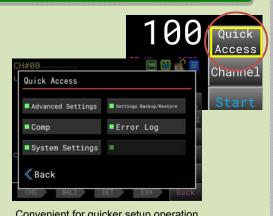


Selectable Measurement Screens



Measurement screen is selectable from 6 different screens. For four measurement screens, "Standard", "Simple", "Waveform" and "4-Channel", the items to be displayed can be customized.

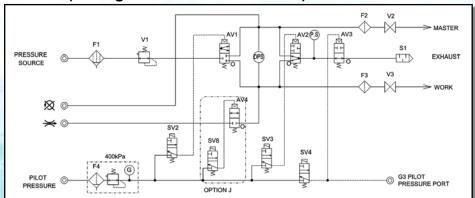
Improved Operability by Quick Access



Convenient for quicker setup operation.

Air-Blow (Intelligent Pneumatic Circuit)	The pneumatic circuit is cleaned at the end of every leak test.
External Exhaust Valve Ready	Valve is sold separately
J	
Tester pressurizes the tested part continuously Used to locate leaks.	
Both for NPN-PNP For Phoenix Contact connector, wire connection can be done with a flat-bladed screwdriver.	
RS-232C: 2 ports (On the front and rear panels) USB: 1 port	
Day of Week, Interval, Iteration, Max Idle Time, Consecutive Triggers, Mastering Comp Value, Mastering Limits	
Error Message, Troubleshooting, I/O Monitor, Channel Title, Counter etc.	
Tester can be mounted/removed with only two screws. Good for mounting the tester in a limited space.	
	Pneumatic Circuit) External Exhaust Valve Ready Exhaust timing will be conwhere multiple cavities are Tester pressurizes the test Used to locate leaks. Both for NPN-PNP For Phoenix Contact connocan be done with a flat-blate RS-232C: 2 ports (On the USB: 1 port Day of Week, Interval, Iter Consecutive Triggers, Mastering Limits Error Message, Troublesh Channel Title, Counter etc. Tester can be mounted/rescrews.

■ Pneumatic Circuit (Intelligent 2 Pneumatic Circuit)



■ General Specifications

	Resolution	0.1 Pa	
DPS	Accuracy Guaranteed Range	±1000 Pa	
ä	Accuracy	±2.5% of rdg ±1 Pa, 50 Pa or lower: ±2 Pa	
	Sensor Proof Pressure	5 MPa	
	Test Pressure	kPa, MPa (kg/cm², psi, bar, etc.)	
Display Unit	Leak	Pa, kPa, mL/s, mL/min, L/min, Pa·m³/s, E-3 Pa·m³/s, Pa/s, Pa/min, *Pa/s, *Pa/min (mmH ₂ O, mmHg, inH ₂ O, etc.)	
Ö	Equivalent Internal Volume	mL, L (in ³ , ft ³)	
	Leak Display	3 to 5 digits (Floating point) Sampling Rate: 10 times/s	
	Leak Limit	Up to ±999.9 Pa	
	Number of Channels	32 channels (#00 to #31)	
Timers		Timers Up to 999.9 s (Resolution: 0.1 s)	
	Power Source	100 to 240 VAC ±10 % at 50/60 Hz, 80 VA max	
	Ambient Temperature	Operation Temp.: 5 to 45 °C Storage Temp.: -20 to 60 °C	
	Humidity	80 %RH or less / no dew condensation	
	Weight Approx, 10 kg (Standard model)		

Clean air. The source pressure must be sufficiently higher than the test pressure and the pilot pressure.	
Set by the installed filter regulator for pilot pressure: 400 to 700 kPa	
Rc(PT) 1/4 (Test pressure, Work and Master ports) Rc(PT) 1/4 (Pilot pressure)	
I/F fixed length ID/F fixed length	Test parameters as well as test results are transmitted.
T/F fixed length	Only test results are transmitted.
Others	Other formats
Test Data	Judgment, Leak, Compensation value, Test pressure, Channel#, Timers, etc.
Copy CSV to USB	csv file
Filter regulator for Pilo Quick mounting brack	d regulator (Except H20 and H49), of pressure, Power cord, sets, Control I/O connector, aceability related documents,
	The source pressure test pressure and the Set by the installed fil 700 kPa Rc(PT) 1/4 (Test pre Rc(PT) 1/4 (Pilot pre I/F fixed length ID/F fixed length ID

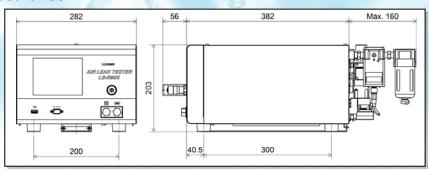
Regulator and power cords are not included in the scope of the CE declaration. The units in () are not available for SI unit restriction models.

Model LS-R902 - (1) Pneumatic Circuit (2) Pressure Range (3) Options - (4) Power Cord

(1)	Pneumatic Circuit	A1: Intelligent 1 Pneumatic Circuit, A2: Intelligent 2 Pneumatic Circuit AS1: Small Volume A1 Circuit, AS01: Micro Volume Circuit, C: Secondary Pressure Circuit	
(2)	Pressure	Precision Regulator	L02 : 5 to 20 kPa, L : 10 to 100 kPa, M : 50 to 800 kPa, V : -5 to -100 kPa, H20 : 2.0 MPa or lower *1, H49 : 4.9 MPa or lower *1
(-)	Range	E/P Regulator	LR : 10 to 95 kPa, MR : 50 to 800 kPa, VR : -5 to -75 kPa
(3)	Options	J: Comes with CAL Driving Valve for Leak Master, K05: Comes with ALC-05 0.5 mL, K1: Comes with ALC-1 1 mL, K4: Comes with ALC-4 4 mL, K10: Comes with ALC-10 10 mL, B: Bypass Circuit Ready without regulator, B1: Bypass Circuit Ready with regulator, D4: Differential Pressure Sensor Range: ±10 kPa, PV1: Pressure/Vacuum Pressure Sensor, UX3: UL conformed, N*: Industrial Field Network (Industrial EtherNet / Fieldbus) RX09: TCU ports (IN, OUT) provided on the rear panel without TCU, RX10: TCU ports (IN, OUT) + TCU (Temperature Compensation Unit), sensors and cables sold as a set, RX11: 100 Channels	
(4)	Power Cord	VA: 125 VAC/7A Length: 3 m, VE: 250 VAC/10A Length: 2 m (CE conformed), VK: 250 VAC Length: 2 m (Only for Chinese customers)	

* 1 H20 and H49 models come with no regulator.

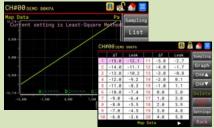
■ External Appearance



Temperature Compensation (Option)

Reduces the setup time by more than 50%. (Compared with conventional tester) Samples the temperatures of the environment, tested parts etc. to derive the optimum Compensation value.



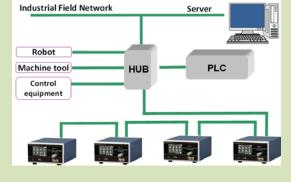




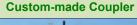
Industrial Field Network (Option)

Supports smooth communication with PLC with fewer cables. Test results can be output to the network.





Peripherals for Air Leak Tester











* The contents of this catalog are as of November 2018. The specifications are subject to change without prior notice.

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