PRODUCT INFORMATION

Air Leak Tester for sealed products

LS-R740 WL

LS-R740WL tests the airtightness of sealed products. The part to be tested is placed in a capsule and pressurized to measure the pressure change caused by leak flowing into the part.

Features

- Easy-to-navigate and intuitive interface with simple menu configuration
- Waveform Display of Test pressure and Differential pressure
- Easy volume compensation when the tested part and the reference part have a volume difference.
- User selectable multi-language capability: English, Japanese and Chinese
- USB Port for easy test data management
- Closer placement of sensor section to the target capsule

Specification

|		
Differential Pressure	Resolution	0.1 Pa
	Display Range	±999.9Pa, (Accuracy guaranteed range ±1000Pa)
	Reading Accuracy	±2.5% of rdg ±1Pa, 50Pa or lower: ±2Pa
	Sensor Proof Pressure	5 MPa
Display Unit	Test Pressure	kPa, MPa (kg/cm2, PSI, bar, mmHg, etc.)
	Leak	Pa, kPa, mL/s, mL/min, L/min, Pa m^3/s, E-3 Pa m^3/s, Pa/s, Pa/min, *Pa/s, *Pa/min (mmH$_2$O, mmHg, inH$_2$O, etc.)
	K(Ve) (Leak coefficient)	mL, L (in^3, ft^3)
Leak Display		4 digits Sampling rate: 10 times/s
Leak Limit		Up to ±999.9 Pa
Number of Channels		32 channels (#0 to #31)
Timers		Up to 999.9 s (Resolution: 0.1 s)
Power Source		100 to 240 VAC ±10% at 50/60 Hz, 70 VA max
Ambient Temperature		5 to 45°C
Humidity		80 %RH or less / No dew condensation
Weight		Controller: about 2.6 kg Pneumatic unit: about 11 kg

Test Pressure Source		Clean air regulated to the test pressure. The source pressure must be sufficiently higher than the test pressure.
Pilot Pressure		Set using the pilot pressure filter regulator mounted. Range: 400 to 700kPa
Port Size		Rc(PT) 1/4: (Air pressure source, WORK and MASTER ports) Pilot pressure source
CPU		SH-2A 144MHz, DRAM8MB
RS-232C (D-sub 9 pins)	ID2 format	Limit values as well as Large Leak limit and Small Leak limit are transmitted.
	L2 format	L-DET and S-DET test results are transmitted
	Others	Four formats
USB Port	Test data	Judgment, Leak, Test pressure, Channel#, Timers, etc.
	Test parameter	Test parameters of all the settings screens
Calibration / Maintenance Ports		M10 x 1.5 (O ring seal)
Standard Accessories		Test pressure regulator and filter, Pilot pressure filter regulator, Quick Mounting Brackets, Control I/O connector, Power cord, Inspection record, Operation manual CD, Traceability documents

Model Classification

LS-R740WL- `1` `2` `3` `4`

A		Tank Type		C100	Tank 100 mL
B	Test Pressure	Low	L		Test pressure range: 10 to 100 kPa
		Medium	M		Test pressure range: 50 to 700kPa
		Vacuum	V		Test pressure range: -5 to -100 kPa
C	Option	Auto Leak Calibrator	K1		ALC-1
			K4		ALC-4
		Nylon Filter Housing	RX02		Filter housing for the pilot pressure port is nylon.
			RX03		Filter housings for the pilot pressure and test pressure ports are nylon.
		DPS Range	D4		Range: ±10kPa, Display range: ±10kPa, Minimum display: 1Pa
		NPT Fittings	PX1		The screw of connecting port is NPT.
		Panel-Mount	P		The controller is designed to be panel-mounted.
D	Cable Length Specified	Unit-to-unit cable 3 m	S3		Standard
		Unit-to-unit cable 5 m	S5		Option
		Unit-to-unit cable 10 m	S10		Option

Pneumatic Circuit
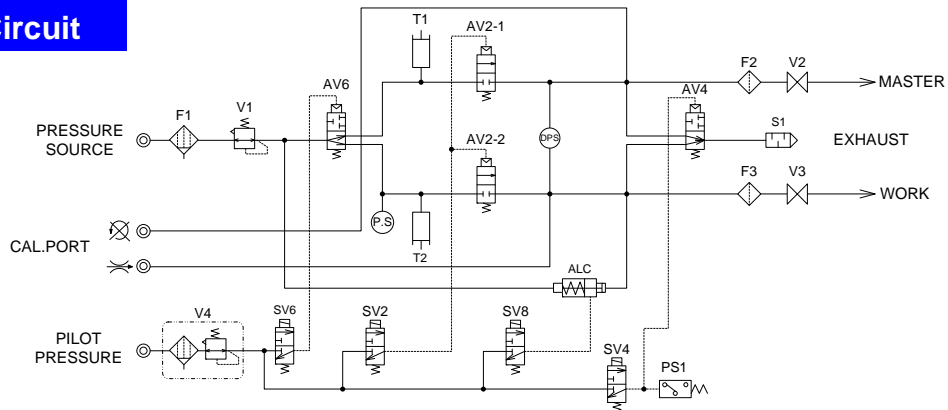
Solenoid valve	DL1	L-CHG	L-BAL	L-DET	S-CHG	DL2	S-BAL	S-DET	BLW	EXH	END
SV2				▓	▓				▓		
SV4		▓	▓	▓	▓	▓	▓	▓			
SV6		▓	▓		▓	▓	▓	▓			

External Appearance

< Controller >
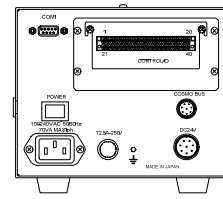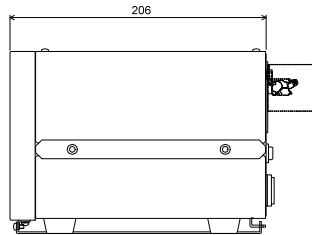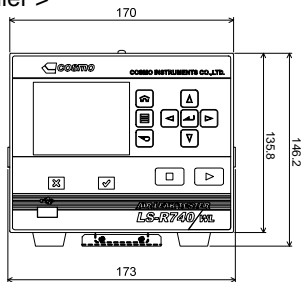
< Pneumatic Unit >
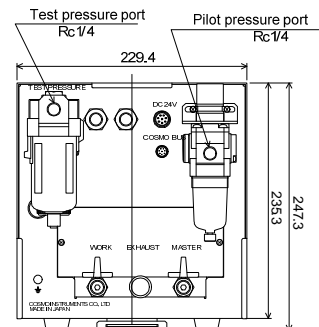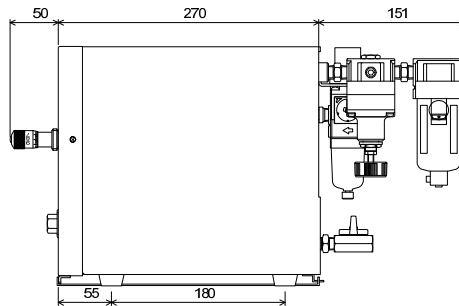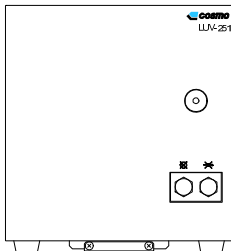
* The contents in this PRODUCT INFORMATION are as of April 2015. The specifications are subject to change without prior notice.

LS-R740WL-985B1-A