

Traqc-600 Leak Test Tool



This instrument is a test tool designed to measure small leakages in products using pressure drop measurement. Application examples include leak testing of supply and drain lines, cooling lines and packaging.

Testing includes 3 basic steps:

- After connecting the instrument to the power source and air supply, A DUT (Device Under Test) is connected to the instrument.
- The applicable test pressure is set by means of a pressure regulator, the system will fill automatically, and the system can stabilise at test pressure.
- A leak will result in a decreasing pressure. Once the measurement is started, pressure drop is calculated over a pre-set timespan and can be read from the instruments display.

Because compressed air or nitrogen is used, safety is an important aspect. This tool contains a number of safety features to ensure safe operation

In case the air supply in your cleanroom or workshop does not offer enough pressure, the internal booster will increase the supply pressure to a test pressure up to 10 bar.

- ✓ Automated leak test tool
- ✓ Measures pressure and pressure drop
- ✓ High accuracy measurement
- ✓ Grade 4 clean, suitable for use in clean environments
- ✓ Proven concept



About Tradinco Instruments

Tradinco Instruments provides the best solution for every test, measurement and calibration challenge in the industry.

Our brand promises:

- ✓ Skilled specialists
- ✓ Customer focus
- ✓ Broad portfolio
- ✓ Long-term partnership

Technical specifications

Connections	
Quick connect pressure supply	Swagelok Quick connect coupling, SS-QC4-B1-400
Quick connect test connection	Swagelok Quick connect coupling, SS-QC4-B1-400
Quick connect drain connection	Quick connect coupling Parker 25-series male profile 90° AISI 316
Power supply	C13 Power socket
Flow	
Flow at test point	>70 nl/minute (set pressure 5 bar, supply pressure 5 bar)
Permissible media	
Air	CDA or xCDA
Nitrogen gas	Dry & clean
Pressure ranges	
Supply connection	2,5 bar to 10 bar
Test connection	1 bar to 10 bar
Drain connection	Free flow (capacity of 72 NI/min @ 5 bar supply pressure)
MOP	10 bar
Pressure sensor accuracy	
Pressure sensor 1, inlet pressure	±0.1% full scale
Pressure sensor 2, test pressure	±0.02% full scale
Pressure protection ESGC	
Mechanical PRV	By default set at 10,5 bar
Automation	System will automatically be vented at pre-set pressure level
Permissible ambient conditions	
Warm-up time	< 1 minute
Operating temperature	15°C to 31°C
Storage temperature	-20°C to 70°C (253 K to 343 K)
Humidity (ambient)	5%RH to 95%RH (relative humidity non-condensing)
Position during use	Horizontal, on a flat surface
Used materials	
Tubing and fittings	PE & AISI 316
Housing	Aluminum laminated wooden case with anodized profiles, with trolley and two handles.
Dimensions and weight	
Dimensions	300x470x352 mm (L x W x H)
Net weight	+/- 18 kg
Software	
Functions	Leak test data storage (logging)
Max. no. of tests to be stored	16
Logging frequency [Sample / minute]	3
Display	
Screen	Matrix LCD, 70 x 70 mm with back light
Menu language	ENG

Technical specifications

Electrical supply	
Power supply	100 V to 240 V AC, 50/60Hz
Power cable	Power cable, Schuko male (CEE 7/7) to C13 female
Power consumption	Max. 5 watt
EC declaration of conformity	
EMC directive	EN 61326-1 emission (group 1, class A) and interference immunity (industrial application)
Low voltage directive	EN 61010-1
Order information	
Order code	S00000411
Included accessories	Power cable, 7 meter CEE 7/7 connector
	Data interface cable (Lemo 3 pins to USB)
	Blind plug for instrument self-test
	USB stick with software
Optional accessories	Set of connection hoses (TA19019018)

Specifications of the product may be changed without notice

Rex Instruments Sdn Bhd

B1-03-01, Pangsapuri Molek Pulai, Jalan Persiaran Molek, Taman Molek, 81100 Johor Bahru. Johor.
Email: info@rex-instruments.com.my www.rex-instruments.com.my