

LPC 528



HIGHLIGHTS

- ✓ Unique auto test setup
- ✓ Multilingual software
- ✓ RS232, TCP/IP, and Ethernet/IP
- ✓ Color graphic display
- ✓ Intuitive user interface
- ✓ Compact modular design
- ✓ Self-test diagnostic verification









DESCRIPTION

- High speed 32 bit processor
- 32 freely programmable measuring programs
- RS232, TCP/IP (Telnet), and EtherNet/IP™ as communication interfaces
- External calibration port for automatic calibration routine using calibrated leak standard
- Environmental drift correction
- Data collection & storage of up to 5,000 test results
- Real-time data transmission (0.05 seconds) via RS232
- High resolution 24 bit A/D converter
- Versatile test capabilities including pressure/vacuum decay, differential pressure decay, and occlusion
- Multi-level password protection
- Quick test function to reduce cycle times
- Self-test functions: internal pneumatic leak check, calibration test, transducer zero and span calibration, test regulator adjustment

TECHNICAL SPECIFICATIONS

Housing (WxHxD)	270 x 170 x 260 mm (10.6 x 6.7 x 10.3 in)
Weight	6-7 kg (13.2-15.7 lbs)
Rated Voltage Range	120 V AC 1A / 230 V AC 0.5 A
Protection	IP30
Air Supply	Air, nitrogen Dried ISO 8573-1 Class 2 Compressed air dew point -40 °C (-40 °F) Filtered with min. 1 µm Up to 1 mg/m ³ of oil
Operating Temperature Range	5-45 °C (39.2-113 °F)
Max. Humidity	80 % rH not condensing
Power Supply (24 V optional)	M12 Connection 24 V max. 2 A

APPLICATION EXAMPLES

 Automotive	 Powertrain	 Consumer Goods	 Energy
 HVAC/R	 Medical	 Military	 Other Transportation

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DISPLAY

- Vivid, color LCD display with icon menu screen for easy navigation
- Bar graph test results, digital test results, test parameters, test counters, and test statistics
- Displays test specific units of measurement
- Test result lights for "In Test", "Accept", and "Reject"
- Language neutral keypad

INTERFACES

- Communication via RS232, USB, TCP/IP (Telnet), and EtherNet/IP™
- Tooling control for simple applications
- Digital I/O - 6 inputs/3 outputs independently set per part program

ACCESSORIES

- Calibrated test leak & leak simulator
- Vacuum pump
- Filter kit
- CTS-Schreiner Connect® Seals

MEASURING RANGES

	Pressure Decay	Vacuum Decay	Differential Pressure Decay	Differential Vacuum Decay
Test Pressure Range	0 to 13.8 bar (gauge)	-1 to 0 bar (gauge)	0 to 13.8 bar (gauge)	-1 to 0 bar (gauge)
Test Pressure Control Accuracy	1.5 % FS	1.5 % FS	1.5 % FS	1.5 % FS
Measuring Range	-1 to 13.8 bar (gauge)	-1 to 0.4 bar (gauge)	0 to 0.345 bar (differential)	0 to 0.345 bar (differential)
Measuring Accuracy	±0.4 % FS	±0.4 % FS	±0.006 % FS	±0.006 % FS
Resolution	<6.8 bar: 0.1 Pa >6.8 bar: 1 Pa	0.1 Pa	0.007 Pa	0.007 Pa

OPTIONS

- Differential pressure or pressure decay manifold
- Electronic or manual pressure regulator
- Externally mounted calibrated leak standard
- Selectable pressure packages
- Selectable transducer ranges

TEST CAPABILITIES

- Pressure/vacuum decay - ΔP
- Pressure/vacuum decay - $\Delta P/\Delta T$
- Pressure/vacuum decay - leak standard
- Differential Pressure Decay (ΔP)
- Differential Pressure Decay Leak Rate (DP Test Type Only)
- Differential Pressure Decay Leak Standard
- Occlusion (Back pressure)