

LPC 528



HIGHLIGHTS

- ✓ Unique auto test setup
- ✓ Multilingual software
- ✓ RS232, TCP/IP, EtherNet/IP, and PROFINET
- ✓ 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), EtherNet/IP™, and PROFINET 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

Instrument Housing	Benchtop configuration 10.6" w x 6.7" h x 10.3" d (270 x 170 x 260 mm)
Electrical	100-240 VAC, 50/60 Hz supply power 3 amps, max.
Air Supply	ISO 8573-1:2010 [2:2:2] Compressed air or nitrogen only
Pilot	55-70 psig (3.7-4.8 bar)
Operating Temperature	5-40° C (41-104° F)
Operating Humidity	90% non-condensing
Digital I/O	6 inputs/3 Outputs, 24 V - 1 A max.
Instrument Weight	~12.5 lbs (5.7 kg)

APPLICATION EXAMPLES



Automotive



Powertrain



Consumer
Goods



Energy



HVAC/R



Medical



Military



Other
Transportation

LPC 528

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 Connect® Seals

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)

MEASURING RANGES

	Pressure Decay	Vacuum Decay	Differential Pressure Decay	Differential Vacuum Decay
Test Pressure Range	0 to 200 psig	-14.5 to 0 psig	0 to 200 psig	-14.7 to 0 psig
Test Pressure Control Accuracy	1.5 % FS	1.5 % FS	1.5 % FS	1.5 % FS
Measuring Range	-1 to 200 psig	-14.5 to 5.8 psig	0 to 5 psig (differential)	0 to 5 psig (differential)
Measuring Accuracy	± 0.4 % FS	± 0.4 % FS	± 0.006 % FS	± 0.006 % FS
Resolution	< 98.6. psig: 0.1 Pa < 200 psig: 1 Pa	0.1 Pa	0.007 Pa	0.007 Pa

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