



Market leading, electronic tyre inflation has just moved further ahead for tyreshops and other professional tyre applications with PCL's upgraded premium tyre inflation range.

The ACCURA 12 and 13 form PCL's premium tyreshop range. Combining advanced and user friendly design with touch screen technology, leading sensor technology, upgraded modern electronics and proprietary software the range enables operators to provide leading tyre inflation services cost effectively. The range is suitable for all professional tyre applications including commercial and retail tyreshops, mobile tyre fleets, automotive OEM's, garages, car dealers as well as transport depots.

The new ACCURA tyreshop range now has a high flow solenoid providing our highest ever air flow characteristics meaning tyres are inflated even quicker. The upgraded microprocessor ensures the proven electronics are more reliable, whilst the touch screen technology ensures even longer unit life. The next generation PCB provides even more input/output options for complete customisation to your application including Bluetooth and GPRS possibilities.

The range is enhanced by the "Over Pressure Setting" function (OPS) which has been developed to allow tyre operators to automatically seat the bead on new tyres allowing the operator to securely get on with alternative work whilst the tyre is inflating saving time and money.

The inclusion of the Nitrogen purge (N2) facility allows the unit to increase the effectiveness of this increasingly popular tyre service.

In addition to the standard features the ACCURA 13 offers a multi-tyre capabilities further reducing tyre inflation times.

In short the ACCURA tyreshop range allows operators to safely drive down the cost of their tyre operations while driving up the quality of their services enabling tyre users to reap the benefits of extended tyre life, increased fuel economy and increased safety.

ACCURA 12 & 13
Preset Tyre Inflators

Key Benefits

For the operator

- Consistent cost effective provision of high levels of safe air inflation services
- **Reduced tyre inflation costs** - more efficient use of tyre engineers and equipment
- **Low life time costs** - long product life with robust design and proven electronics
- Low and simple maintenance
- Customisation to meet individual needs and applications
- Guaranteed accuracy with individual testing

For the tyre user/fleet manager

Accurate tyre pressures give:

- extended tyre life
- increased fuel economy
- increased safety and reduced tyre-related incidents

Key Features

- **New** - High flow solenoid as standard
- **New** - Touch screen technology
- **New** - High speed microprocessor
- Electronic pressure preset
- Auto-start inflation
- Clear LCD display for easy readings
- Robust, high reliability and modern design
- **Ceramic sensor** - accuracy to $\pm 0.5\%$ of full scale reading
- **Over Pressure Setting (OPS)** - automated seating of bead
- **Nitrogen** - N2 fill and air to N2 conversion
- Can inflate accurately with hoses up to 50m in length
- Comprehensive diagnostics and error reporting
- Additional inputs/outputs for complete customisation

Technical Data Summary

Dimensions	
Height	300mm (11.82")
Width	420mm (16.55")
Depth	90mm (3.55")
Weight	9kg (20lbs)
Environmental	
Temperature range	Operating -20°C to 70°C
	Storage -30°C to 80°C
Humidity Range	Up to 95% RH non-condensing
Electrical Interface	
Voltage	Nominal 230 Vac 120 Vac 12 Vdc
	Min 175 Vac 75 Vac 10 Vdc
	Max 265 Vac 140 Vac 16 Vdc
Current	Typical 0.02 A 0.04 A 0.2 A
	Maximum 0.05 A 0.10 A 0.5 A
Pressure measurement	
Accuracy	To ±0.5% of full scale reading
Reading Accuracy	1 PSI / 0.1 bar / 5kPa / 0.1kg/cm ²
Max Inlet Pressure	217 PSI / 15 bar / 1500kPa / 15.3kg / cm ²
Max inflation Pressure	145 PSI / 10 bar / 1000kPa / 10.2kg/cm ²
Inflation Speed	
Inflation flow	2,500 l/min @ 10 bar supply
Deflation capability	2,400 l/min @ 10 bar supply
Compliance	
Complies to	EMC directives Exceeds EC Directive 86/217/EEC
Operational specification	
	IP Rating – IP54 Smart inflation algorithm Automatic pressure sensor compensation Audible and visual end of cycle signals 30mm backlit transfective LCD Auto-start inflation Hose standard 7.6m with euro clip-on connector Remain at last setting
Optional features	
	Hose type and length Connector type Bespoke graphics

Contact

Head Office:

Pneumatic Components Ltd

Holbrook Rise
Holbrook Industrial Estate
Sheffield
S20 3GE

T: +44 (0)114 248 2712

F: +44 (0)114 247 8342

E: info@pclairtechnology.com

Regional Offices:

Pneumatic Components Ltd

(North America)

5819 Fire Light Terrace
Moseley
VA 23120
USA

T: +1 (804) 517-1590

F: +1 (757) 257-9548

E: info@pcltireinflation.com

PCL-SUMO Air Technology Pvt Ltd

425 Gemstar Commercial Complex
Ramchandra Lane Extension
Kachpada, Malad (W)
Mumbai 400064
India

T: +91 (0)22 3210 7242

F: +91 (0)22 3210 8678

E: info@pclsumo.com

PCL Trading (Shanghai) Co Ltd

1276 Nanle Road
Lane 115, Block 7, Unit 602
Songjiang District
Shanghai 201613
P.R. China

T: +86 (0)21 6775 5368

F: +86 (0)21 6775 5398

E: info@pclchina.com

For further information please contact your nearest PCL office by either telephone, email, or fax. Alternatively, you can visit our website where you will find a wide range of information on our company and products. www.pclairtechnology.com