

# ACCURA D80 User Manual

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

## Description

PCL ACCURA D80 Forecourt Models. Available with or without internal compressor and or Radiator Filler.

## Safety Guidelines

This manual contains information that is very important to know and understand. This information is provided for safety and to prevent equipment problems. To help recognise this information, observe the following symbols.



**DANGER**

Danger indicates an imminently hazardous situation which if not avoided WILL result in death or serious injury.



**WARNING**

Warning indicates a potentially hazardous situation which if not avoided, COULD result in death or serious injury.



**CAUTION**

Caution indicates a potentially minor or moderate injury.

**NOTICE**

Notice indicates important information, that if not followed, may cause damage to equipment.



**WARNING**

Read and understand all safety warnings and instructions before operating this product. Failure to read and follow all safety warnings may result in serious personnel injury or death. Property damage and/or product damage may also occur if all warnings are not followed.

## Unpacking

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. **Open the front panel and remove all packaging that is inside the unit**



**WARNING**

Do not operate unit if damaged during shipping, handling or use. Damage may result in bursting and cause injury or property damage.

## General Safety Information

The operator of this product must take the necessary precautions to prevent the level of danger indicated by these symbols. The operator is required to read and understand this instruction manual and all safety warnings, labels etc.

Any employer allowing the use of this product in their field of work must distribute this instruction manual to all users. The employer must also ensure all users read, understand and follow the instructions as described in the manual, safety warnings, labels, etc.



**CAUTION**

The use of other than genuine PCL replacement parts may result in reduced equipment performance. Repairs must be performed by authorised repair personnel, otherwise the warranty will be void.

## Installation

In order to provide a trouble free operation it is necessary to connect the power supply from the main switchboard with a MAX 3amp fuse/RCB protection device. THIS MUST BE GROUNDED.

The circuit breaker should be marked as the disconnecting device for the equipment. The tyre pressure inflator is designed for the operation inside or outside of buildings.

**The compressor** producing the air should have the necessary water and dirt filtration, to minimise accumulation of debris at the Digital inflator line filter strainer.



**IT IS IMPERATIVE THAT THE ELECTRICAL SUPPLY CABLE TO THE INFLATOR HAS THE INSTALLED EARTH OR GROUND WIRE CONNECTED TO THE EARTH/GROUND CONNECTION OF THE ELECTRICAL INSTALLATION**

The PCL Digital Tyre Inflator is designed to run with the earth connection installed. "According to Class 1 - Basic insulation in conjunction with protective Earthing"

The Earth connection allows a safe path for Mains borne Transients and Surges to be safely removed i.e. through local ground disturbances caused by Lightning strikes etc.

### Indoor installations

Use 3 pin connecting plugs or 2pin + Earth with the Earth/Ground wire installed on electrical infrastructure.

### Outdoor installations

The **ACCURA D80** can be connected to an earth conductor or conducting metal work (metal pipe conduit or sheathing) which has equi-potential bonding to the main Earthing point of Installation.

## Start-up

After services connection to the **ACCURA D80** ensure the following:

1. For mains air supply ensure you have the maximum air supply at 10 psi or 0.7 bar above the intended maximum inflation range.
2. At switch-on, the software level will immediately show the software level e.g. P3.4 followed by switch on/off all LCD digits
3. The unit will open for a very short time one deflate pulse before returning to the SET default pressure. Do not connect hose to tyre during start-up or Error 5 will show.



**PCL Digitals are not suitable for the filling of bicycle tyres with standard (Presta, Woods) bicycle valves and adapter, or inflatable air beds etc. Over fill of the tyre is possible!**

## ACCURA D80 Operation Instructions

1. Set required pressure value via +/- button
2. Connect to tyre (if using a clip-on connector clip-on and turn 140° to ensure a correct seal).
3. A long acoustic signal is given when the required target value is reached, the screen will also display "END"
4. Remove connector from tyre.



In case of empty tyre press the "FLAT TYRE" button. This will enable up to 10 separate air bursts to enable the tyre to Auto Start (a tyre pressure of 4psi / 0.3 bar)

## For inspection and checking of the actual tyre pressure

1. Simultaneously depress + and - keys together (long sound tone will be heard), then press FLAT TYRE button 5 times.
2. Tyre pressure will now display pressure resolution to 0.01 bar. User may then compare pressure accuracy to Test Apparatus (Note: Unit will not function as Tyre inflator)
3. By pressing any button, the unit will resume to normal screen operation

## Calibration of Digital Products

The accuracy of our digital units when released from our factory is that:-

**The maximum permissible error (MPE) = 0.02 bar.**

Each digital unit. Before release, is checked and calibrated on test equipment that has accuracy traceable to a UKAS Laboratory Standard reference 0221. With a certificate number 0029346.

## Flat tyre condition

For tyres below 4 psi or 0.3 bar, press the FLAT TYRE button to enter standard inflation.

## Radiator Filler (where fitted)

To operate radiator filler hold the dispenser and squeeze the lever.

**Never exceed the tyre pressure recommended for the vehicle or as defined on the tyre sidewall.**

## Service/Maintenance

There is no requirement to service the following items:

1. Pressure Transducer
2. Electric Control Board

**If these are faulty they can only be replaced by a competent person. Please refer to an Authorised dealer.**

## Working safety instructions

The PCL ACCURA D80 is designed and built due to the relevant basic health and safety requirements of the EC guidelines.



This product can be dangerous if used improperly. Children should not be allowed to use this equipment, as incorrect setting can allow tyre to be over inflated and a subsequent tyre burst/explosion can occur!

Each person who is involved with erection, start-up, maintenance and the operation of the PCL ACCURA D80 must read and understand the complete operating manual.

**The PCL tyre inflators are exclusively approved for the dispensing of air. Each use which doesn't follow this purpose as well as modifications to the product will be deemed to be improper use. The manufacturer is not liable for damages caused by improper use, the risk lies solely with the user.**



Proper use of the product also implies the observance of the manufacturers instructions with regard to installation, start-up, operation and maintenance.



All works concerning installation, start-up, adjustment and maintenance must be made by qualified staff. For the operation of this tyre pressure inflator the local safety and accident prevention rules must observed in all cases.

VARIOUS MODELS ARE AVAILABLE, RANGING FROM AIR ONLY TO AIR AND WATER, WITH OR WITHOUT AN INTERNAL COMPRESSOR AND RADIATOR FILLER.

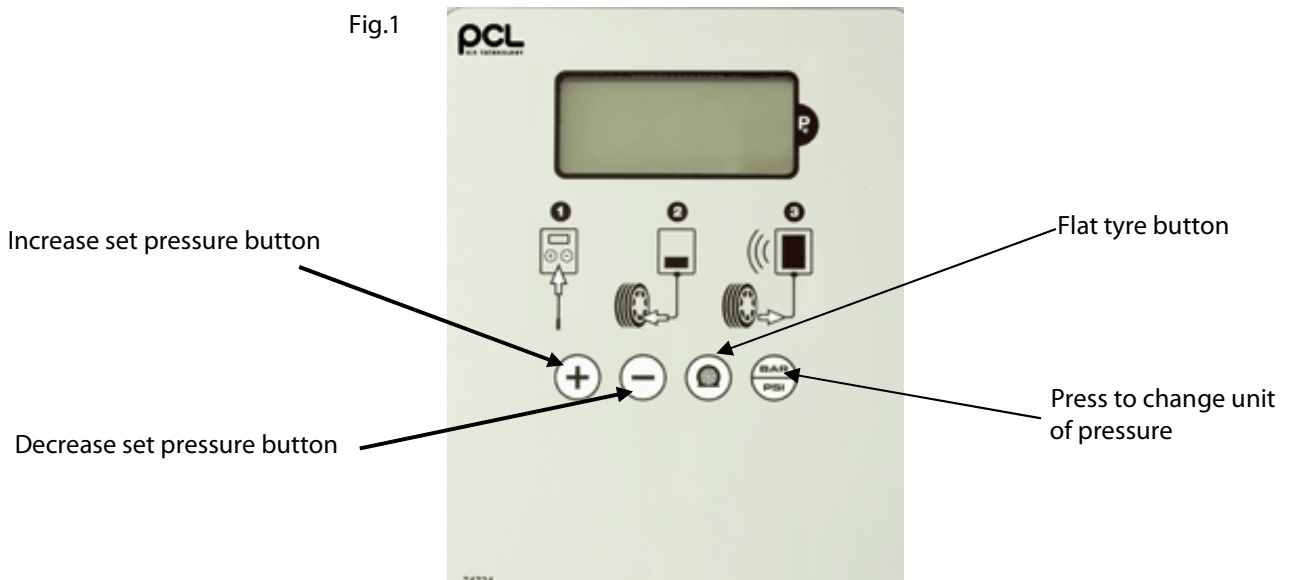
PLEASE CONTACT PCL FOR MORE INFORMATION ON:

+44 (0)114 248 2712

### PLEASE NOTE:

**For installation instructions please refer to page 6 which shows a footprint of the floor mounting requirements together with water connection details.**

Fig.1



### Decrease set pressure button

Press button to set a reduced inflation when the current tyre pressure reading is **MORE** than recommended for the vehicle or as defined on the tyre sidewall.



### Increase set pressure button

Press button to set an increased inflation when the current tyre pressure reading is **LESS** than recommended for the vehicle or as defined on the tyre sidewall.



### Flat tyre button

Press button when tyre is flat, or below 5 psi or 0.3 bar to enable inflation to auto start.



### Pressure unit button

Press button to change unit of pressure, 4 calibrations are available in either: BAR or PSI

Fig.2





Do not exceed the maximum air input pressure



High Pressure air is stored within the system



Do not operate this product if tired or under the influence of medication, drugs or alcohol

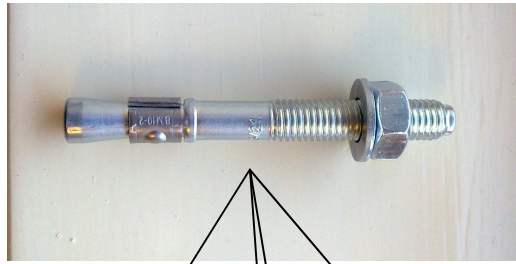


Locate this system in a well ventilated area. Position the system away from any heat source.

## Trouble Shooting Guide/Error Messages

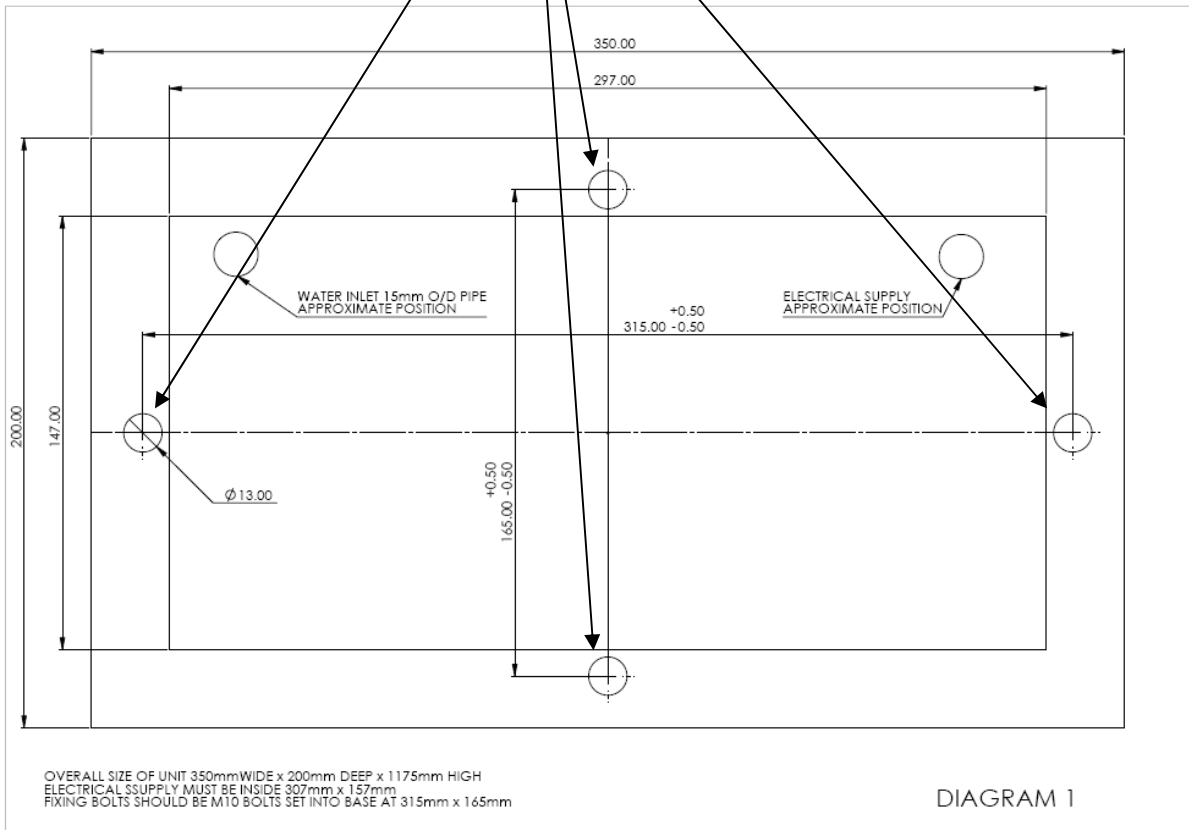
Problem	Possible Cause	Solution
Inflation process starts but does not complete	Low supply pressure or leaks exist	Check supply pressure & confirm leaks do not exist
Hose connector(s) will not seal to the tire stems	Hose connector(s) worn	Replace connector(s)
Hose connector(s) leak while not connected to tyres	Hose connector(s) worn	Replace connector(s)
E1 on display	Low Air Pressure or instability of AIR supply	Check compressor output or leaks in pipes
E4 on display	Over inflation due to blocked hose	Remove blockage or replace hose
E5 on display	Unable to reset for Zero drift	Sensor faulty or blocked hose
E6 on display	Zero drift limit exceeded	Refer to authorised repairer
E8 on display	Sensor input under-range	Refer to authorised repairer
E9 on display	Sensor input over-range	Refer to authorised repairer
E10 on display	Power supply input voltage low	Check supply to machine, if correct change board
E11 on display	Power supply input voltage high	Check supply to machine
E12 on display	EEPROM Checksum failed to verify at power-up	Refer to authorised repairer
E16 on display	Machine started under pressure	Sensor fault or inflator started up with connector on tyre, if correct change board

Fig.3



Grounding bolts

Fig.4



## Contact Us

### HEAD OFFICE

#### PCL

Holbrook Rise  
Holbrook Industrial Estate  
Sheffield  
S20 3GE  
UK

T: + (0)114 248 2712

F: + (0)114 247 8342

E: info@pclairtechnology.com

#### PCL (North America)

5819 Fire Light Terrace  
Moseley  
VA 23120

T: (804) 517 1590

F: (757) 257 9548

E: ebush@pclairtechnology.com

#### PCL - SUMO

#### Air Technology Pvt Ltd

425 Gemstar Commercial Complex  
Ramchandra Lane Extension  
Kachpada  
Malad (W)  
Mumbai 40064  
India

T: + 91 (0)22 3210 7242

F: + 91 (0)22 2881 9841

E: info@pclsumo.com

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## PCL Limited Warranty

### PCL LIMITED WARRANTY for ACCURA D80

PCL warrants the components of each **ACCURA D80** to which this Limited Warranty applies against defects in materials and workmanship for a period of twelve (12) months from date of sale (as evidenced by bill of sale or equivalent) or for a period of eighteen (18) months from date of shipment from PCL manufacturing facility (identifiable by the **ACCURA D80** serial number and noted on original bill of lading from manufacturing facility), whichever period is shorter. During this warranty period and subject to the conditions set forth in this statement, PCL will, at its option, repair or replace component parts that were defective at the time of shipment from PCL manufacturing facility, subject, however, to the following specific EXCLUSIONS: hoses and connections.

Repair or replacement will not extend the warranty period.

Customer must give PCL timely notice of any warranty claim by contacting an authorized PCL service centre. Claims must be accompanied by (1) evidence, by a bill of sale or equivalent, which clearly establishes date of purchase of the **ACCURA D80**, and (2) the **ACCURA D80** serial number, found on the unit. Customers must properly pack parts in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk for loss or damage in shipment. Return shipment to customer will be freight collect unless otherwise agreed. For service at a customers location, customer will be charged then prevailing service rates .

The Limited Warranty applies to PCL manufactured **ACCURA D80** only. Items listed in the applicable operators manual under routine maintenance are not covered by this or any other warranty. Failure to complete maintenance as stated in any applicable maintenance schedule will void the Limited Warranty. The Limited Warranty is expressly conditioned upon proper and normal indoor use and service of the **ACCURA D80** and upon strict compliance by customer with all of PCL instructions and recommendations for installation, operation and maintenance. The Limited Warranty does not apply to the **ACCURA D80** or parts that are damaged or become defective due to improper handling, maintenance, storage, use, or operation, and does not cover ordinary wear and tear, corrosion, or erosion.

**THE LIMITED WARRANTY SET FORTH IN THIS STATEMENT CONSTITUTES PCL'S SOLE WARRANTY FOR THE ACCURA D80 AND THE REMEDIES SET FORTH HERIN CONSTITUTE CUSTOMERS SOLE REMEDIES FOR BREACH OF WARRANTY. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, IN FACT OR BY LAW, INCLUDING WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ANY WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**

Determination of the suitability of the **ACCURA D80** for the use contemplated by the customer is the sole responsibility of the customer. PCL shall not, under any circumstances, be liable in contract, tort or otherwise (including negligence and strict liability) for indirect, special, incidental, or consequential damages, and PCL's total liability shall not exceed the purchase price for the **ACCURA D80**. PCL shall be excused for delay or inability to perform obligations due to events beyond its reasonable control.



CUT HERE

#### Mail to:

**ACCURA D80 Warranty Card**  
**PCL**  
**Holbrook Rise**  
**Holbrook Industrial Estate**  
**Sheffield**  
**S20 3GE**  
**United Kingdom**

### Warranty Registration ACCURA D80

Please complete and mail this form to activate warranty  
Or visit us at [www.pclairtechnology.com](http://www.pclairtechnology.com)

Name \_\_\_\_\_ Title \_\_\_\_\_

Company Name \_\_\_\_\_

Type of Business \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Accura Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Compressor Application \_\_\_\_\_

Purchase From \_\_\_\_\_

Start Up Date \_\_\_\_\_