

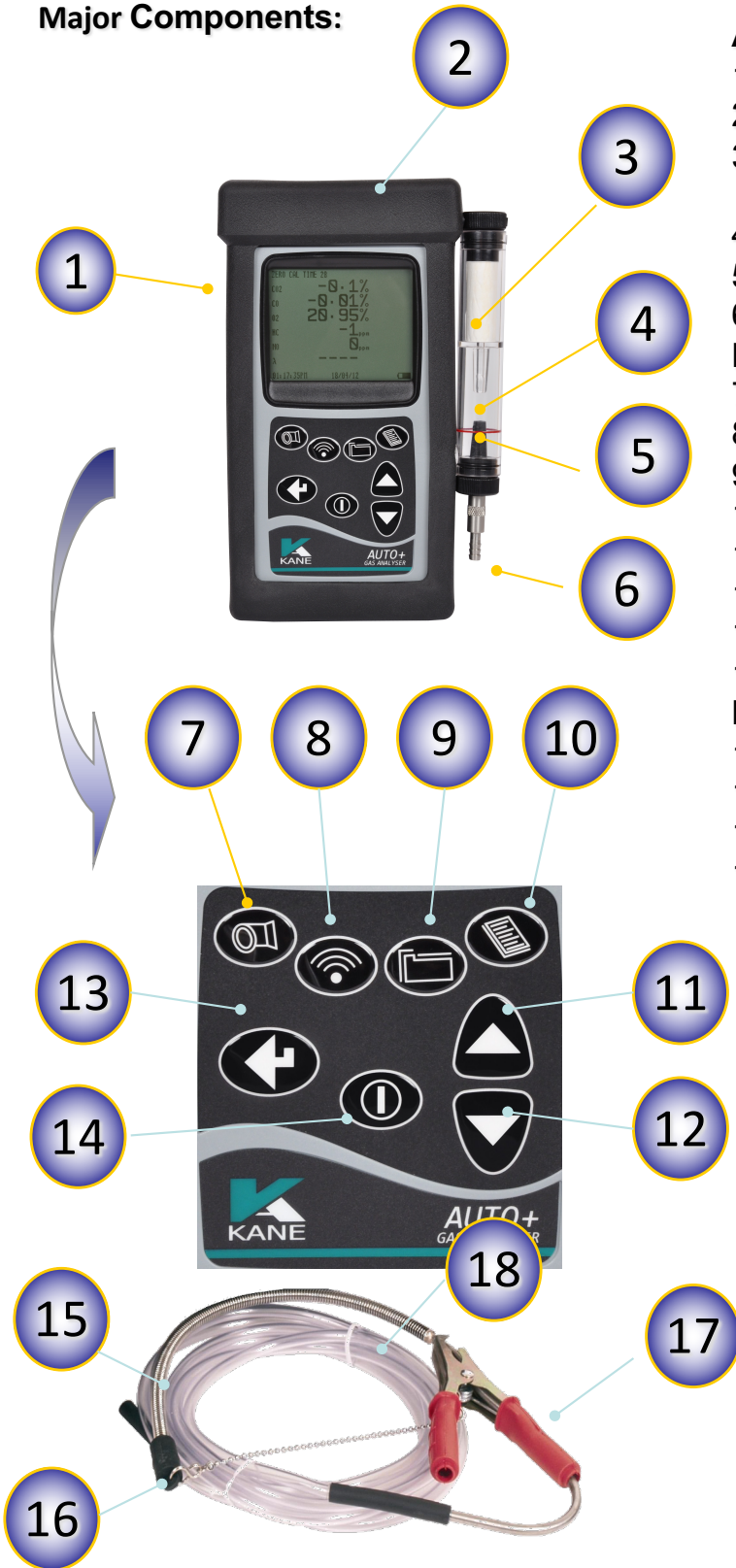


# AUTOplus Exhaust Gas Analyzer

## Quick User Guide

Please take time to fully read the user manual supplied in the kit.

### Major Components:



### Analyzer

1. Battery Charger or 12v Adapter
2. Exhaust Port \*1
3. External Particle Filter. (inside gets dirty)
4. In-line Water Trap (keep emptying!).
5. Water Level Limit!
6. Probe Connection to Instrument

### Keypad

7. PUMP – Turns pump on & off
8. PRINT – IR & Bluetooth (set in menu)
9. STORE – Access memory.
10. MENU – Scrolls through all options.
11. SCROLL UP
12. SCROLL DOWN
13. ENTER – Accepts / enters a command.
14. ON/OFF

### Probe

15. Flexible insertion probe (350mm) \*2
16. Probe Seal
17. Exhaust Securing Clam
18. Flexible Hose Line

### NOTE :

\*1 Do not cover the exhaust port as this will severely affect analyser operation.

\*2 Caution – Probe may be hot when removing from the exhaust.

**Prior to use for the first time:** charge the battery for 12 hours. Following this an overnight charge should be sufficient for an average 8 hour day (turning pump off between tests to save power).

## Normal Start Up Sequence, every time you use the analyser:

Before switch-on check that:

1. The particle filter is dry and not dirty or damaged.
2. The water trap and probe line are empty of water.
3. All hose connections etc. are correctly made.
4. The probe is sampling CLEAN AMBIENT air. (not in exhaust)
5. The water trap is correctly fitted and the analyser is upright.

If all OK, switch on by pressing



This then starts the automatic Zero calibration.

**NOTE – DO NOT RUN THE ANALYSER WITHOUT THE WATER TRAP FITTED!**

During the calibration sequence the analyser pumps fresh air in to the sensors to allow them to zero and the oxygen sensor to set to 20.9%. Do not block the end of the probe or insert or hold near the exhaust.

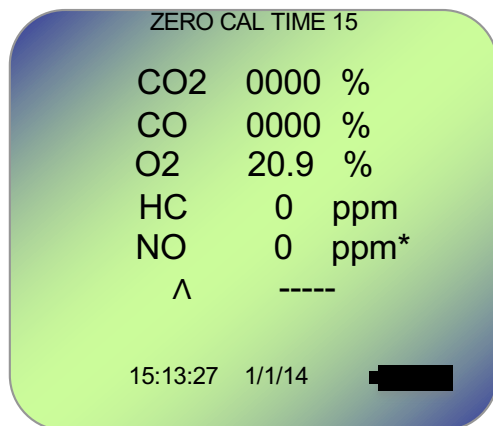
Header display




Initialising screen

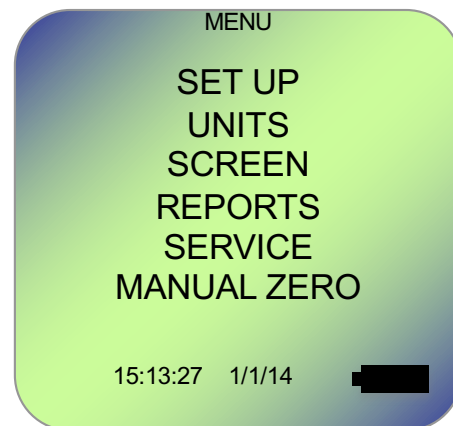


Once the zero calibration test is complete the main display is shown




Main Display


To change parameters, view report, etc., press  to access the menu



Menu


(consult manual for full set up procedure)


Use the  to set up the analyser and once the warm up is complete the probe can now be fully inserted in to the exhaust pipe and clipped in position.


Use the  key to turn the pump ON and OFF if required

## NORMAL SHUTDOWN SEQUENCE – Follow this every time the analyser is used.

It is recommended that the analyser samples fresh air for 60 seconds before the pump is switched OFF..

Once the probe is removed press the  key. The analyser will count down from 30 to switch off.

Press  to cancel shut down and continue using

 **Take care when removing the hot exhaust probe from the exhaust**



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