



Are you Instrumental for CPA1?

CPA1 is an ACS assessment module for the knowledge and understanding of the combustion process: All certification bodies have now launched a course. The module bolts onto CCN1 (Core) and with the ever-changing legislation requirements to our Industry: It is an assessment that is essential to any professional heating engineer that wishes to commission or maintain modern day "HE" appliances.

From 1st February 2010 it is a pre-requisite that anyone taking CEN1 &/or HTR1 also is required to take CPA1. Current holders of CEN1 & /or HTR1 have until 1st April 2012 to take CPA1.

BS7967 (parts 1-4) outline the permissible level of CO over a given period of time, the use of a flue gas analyser manufactured to BS7927 (1998), how to interpret the readings & how to understand CO/CO₂ ratio when servicing an appliance.

BS5871 (part 4) outlines the need for a combustion test to be carried out during maintenance or checks for safety. It also discusses that the above shall be in accordance with the appliance manufacturers instructions and in the absence of those instructions that you need to refer to BS7967 (part2).

Benchmark commissioning checklist requires cold-water inlet, hot water outlet temperatures, flow/return differential temperatures, operating pressure, CO/CO₂ ratio.

IGE/Up/1b allows the use of electronic manometers.

The **Anton Sprint V** range can accommodate all of your requirements. Anton Sprint analysers are supplied complete with carry holdall, mains charger, rechargeable battery pack, 10,000ppm CO sensor, protective boot, flue probe, PC software and calibration certificate as standard. The Sprint V2 offers flue gas analysis (BS5871-4, Benchmark), differential pressure (IGE/Up/1b, Benchmark), differential temperature (Benchmark), CO room-build up (BS7967) and also has the option of gas escape detection probe. Kits are also available which include temperature pipe clamps, BS7967 probe set, pressure relief valve, inspection mirror, volt stick/torch & a rechargeable printer.

Sprint V3 Winner of the 2006 & 2008 British Gas contract for 8,000 analysers

Sprint V2 Winner of "Gas Safety Product of the Year" award – Corgi Awards

Sprint V2/LD supplied to all Gas Safe Register TM Inspectors

Symptoms Associated with a Given Concentration of CO Over Time

PPM CO	Time	Symptoms
35	8 hours	Maximum exposure allowed by OSHA in the workplace over an eight hour period.
200	2-3 hours	Mild headache, fatigue, nausea and dizziness.
400	1-2 hours	Serious headache-other symptoms intensify. Life threatening after 3 hours.
800	45 minutes	Dizziness, nausea and convulsions. Unconscious within 2 hours. Death within 2-3 hours.
1600	20 minutes	Headache, dizziness and nausea. Death within 1 hour.
3200	5-10 minutes	Headache, dizziness and nausea. Death within 1 hour.
6400	1-2 minutes	Headache, dizziness and nausea. Death within 15 minutes.
12,800	1-3 minutes	Death



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.