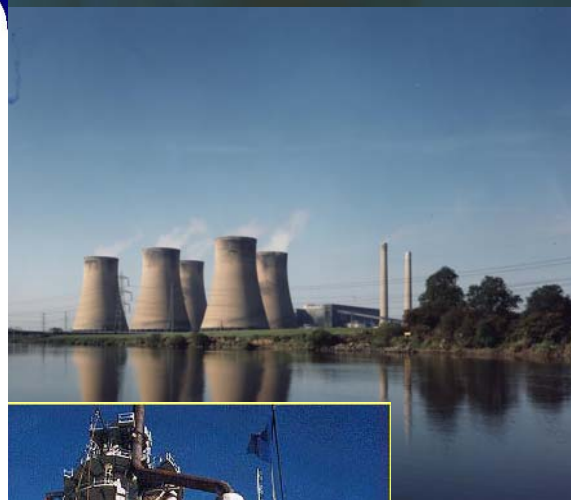


# CEMS / AMS Portable Calibrator

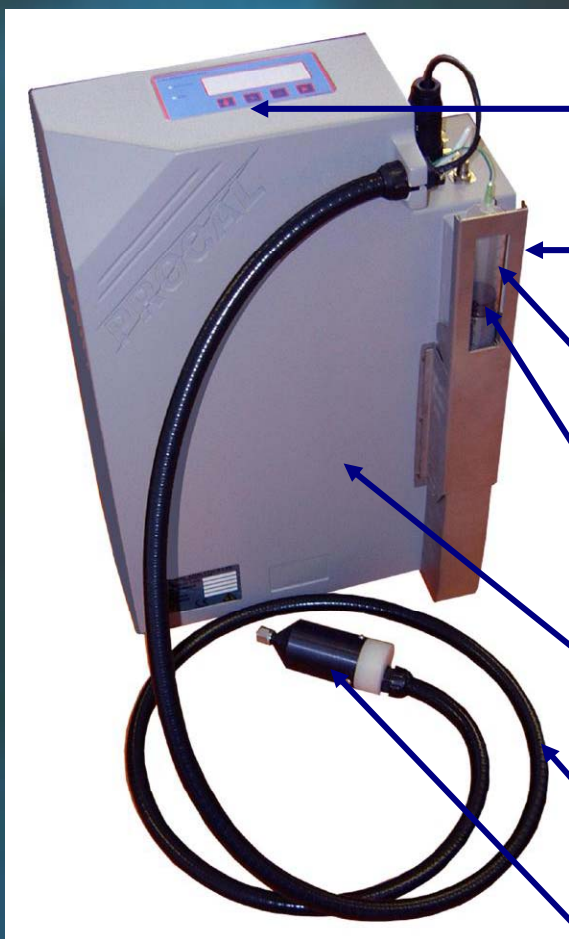




**The CEMS Calibrator is supplied in a back pack for ease and safe use on plant.**

**The pack also contains spare syringes which can be pre-charged for extended calibrations**





**Display and Control**

**Quick release mechanism for syringe Changing**

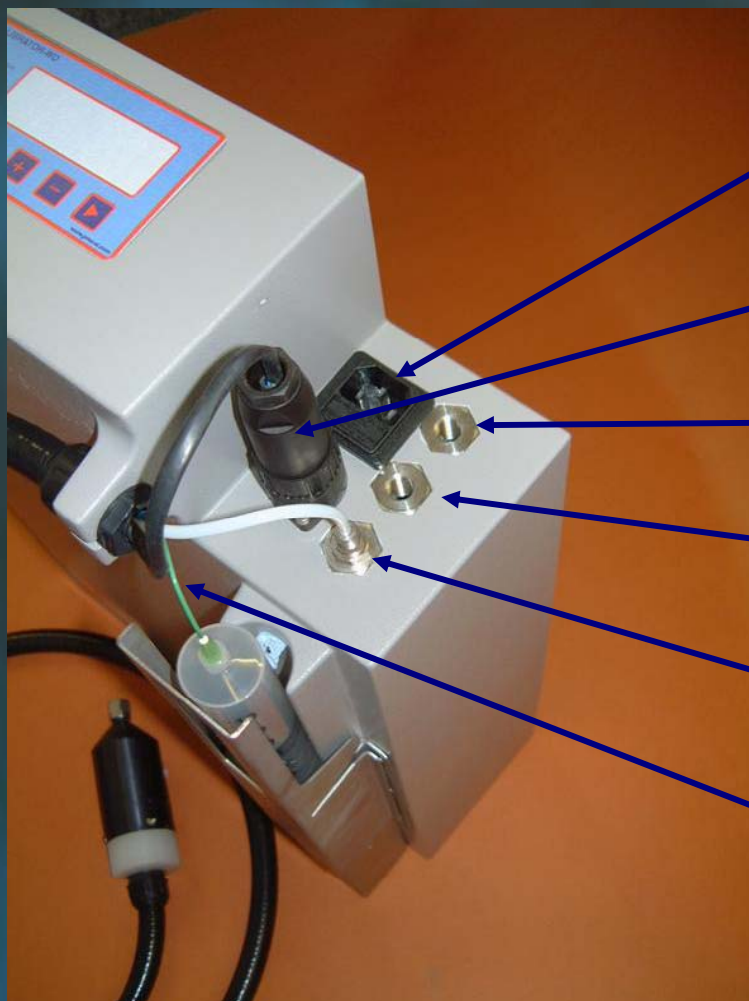
**Syringe**

**Syringe Viewing Window**

**Case – Polyurethane**

**Umbilical**

**Micro Vaporiser**



**Mains 110V / 240V**

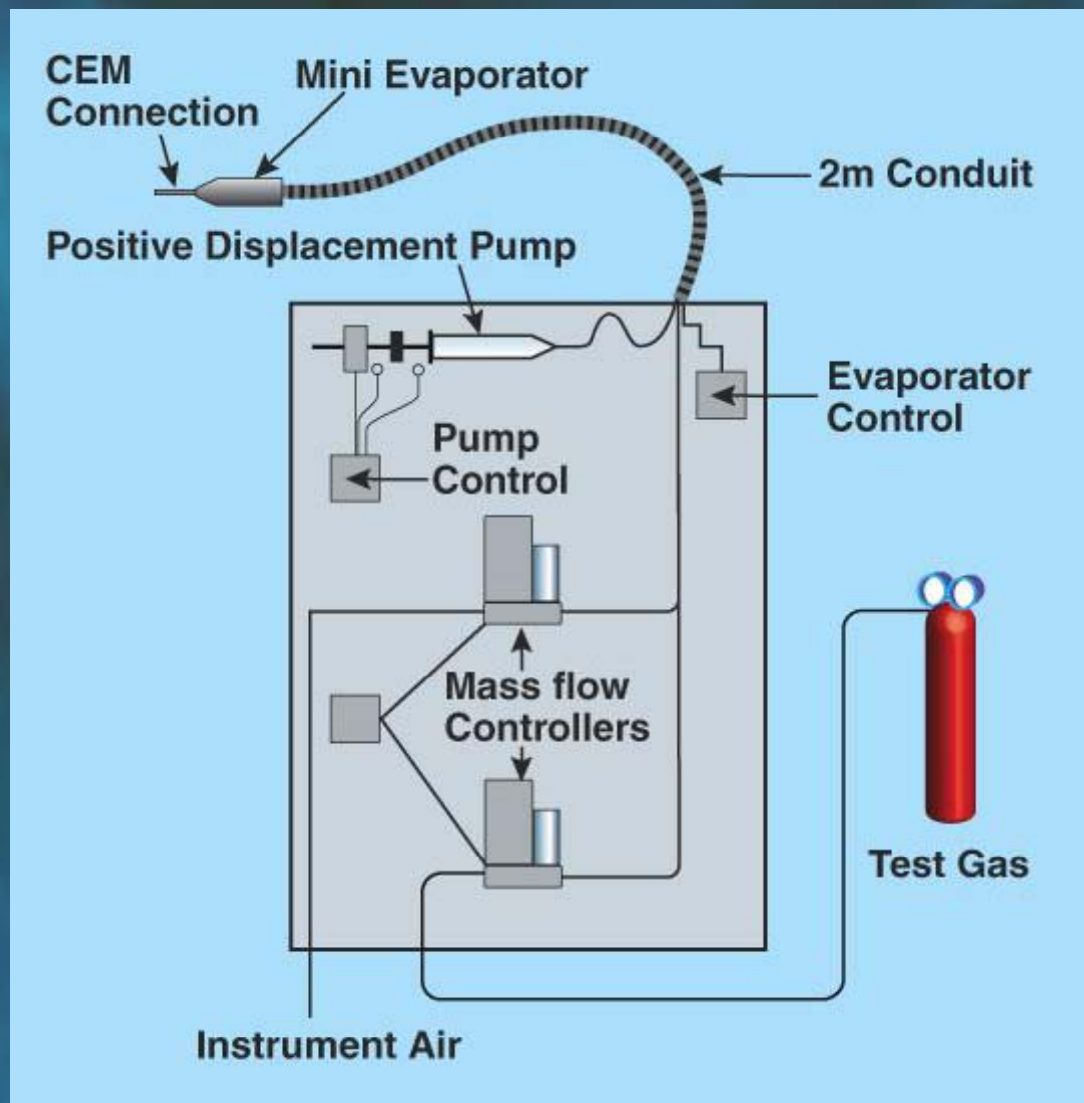
**Vapouriser Power / Control**

**Instrument Air Inlet 1/8" BSPF**

**Test Gas Inlet 1/8" BSPF**

**Diluent / Test Gas Mixture Feed**

**Capillary – Water Feed**







## Simple & Intuitive HMI

**CALIBRATOR-WD**

☐ EVAPORATOR

☐ PUMP

10% Water Vapour  
252 mg/m<sup>3</sup>  
150° C Evaporator

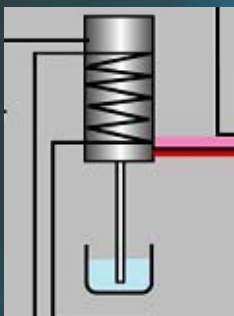
[www.procal.com](http://www.procal.com)



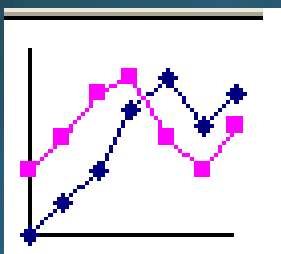
## Benefits – CEMS Calibrator



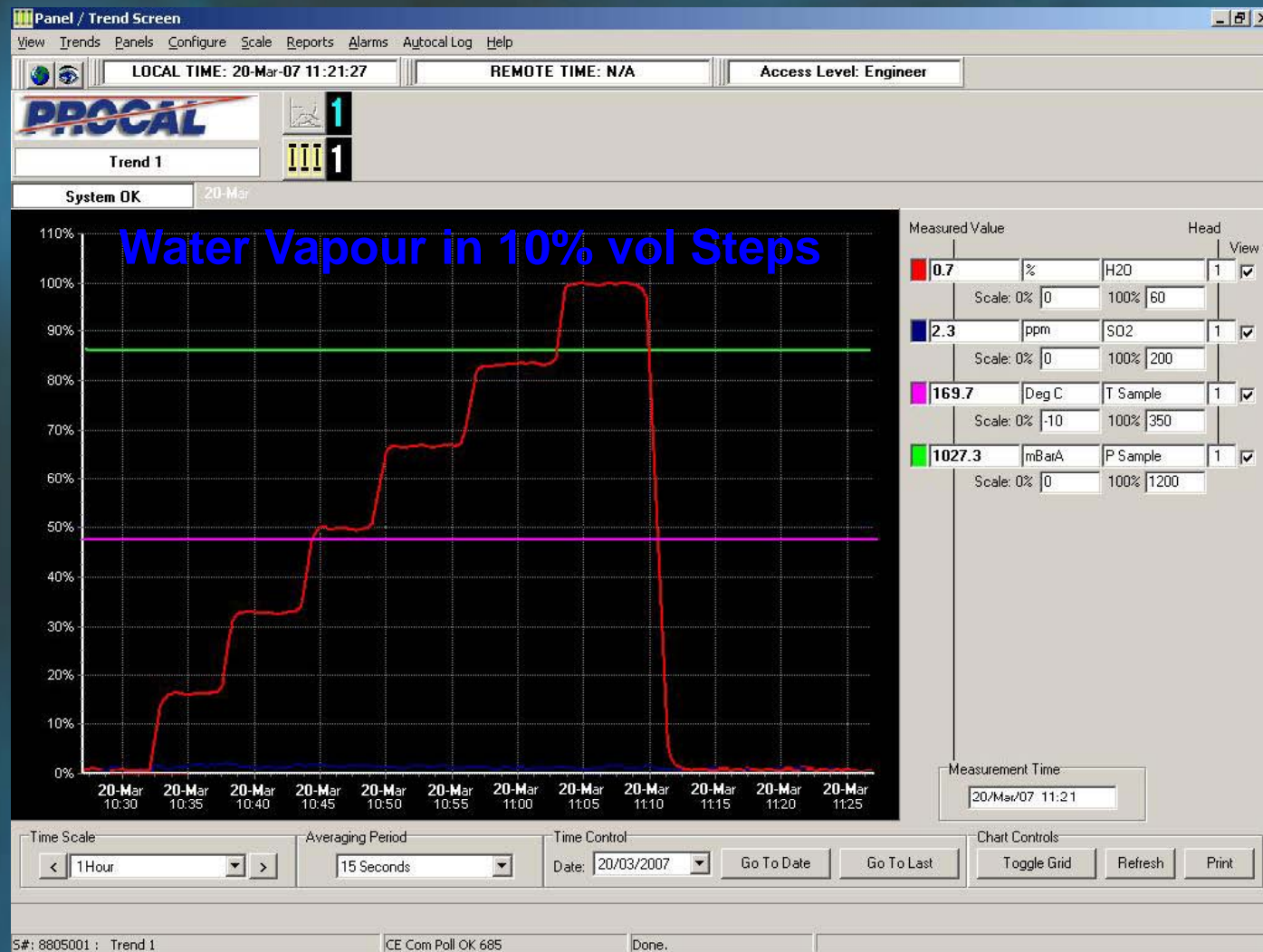
Reduce the number of test gas cylinders required for linearisation tests



To verify that water removing equipment used on extractive systems does not remove any of the soluble gas from the sample

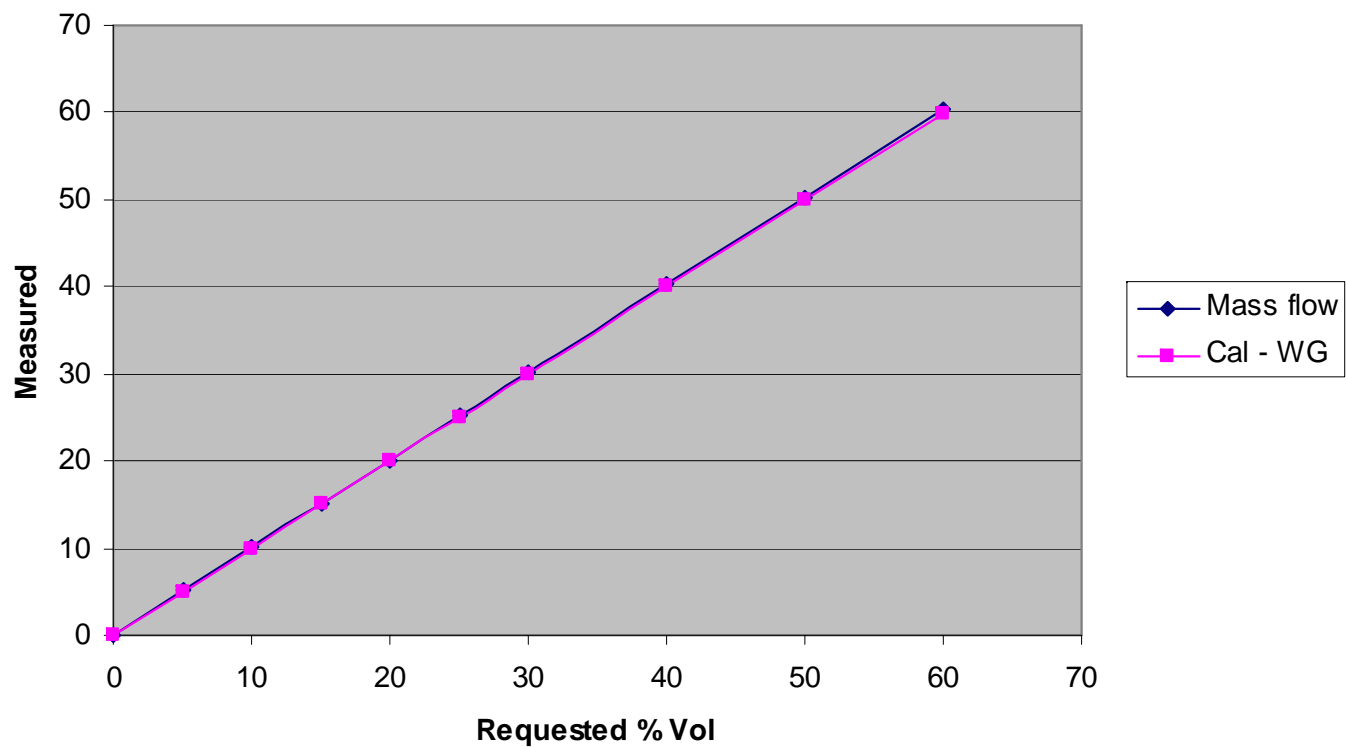


Check water vapour cross sensitivity – enabling corrections





## Comparison Mass Flow Water Vapour Generator - Calibrator WG



## Three Models

### Calibrator – D

**Test Gas Divider – Ideal for linearisation tests**

### Calibrator – W

**Water Vapour Generator – Enables on line calibration of water vapour ranges and cross sensitivity verification**

### Calibrator – WD

**Water Vapour Generator / Test Gas Divider – Combined unit enables humidification of test gas**

## **Specification**

### **General**

<b>Supply</b>	<b>110V / 240V 50/60 Hz</b>
<b>Power</b>	<b>260 w Max</b>
<b>Air Supply</b>	<b>Instrument Air Max 5 l/min at 1 bar g minimum</b>
<b>Weight</b>	<b>10 kg</b>
<b>Dimensions</b>	<b>58 cm x 35 cm x 22 cm</b>
<b>Umbilical</b>	<b>2 metres</b>
<b>Connection</b>	<b>To CEM 6 mm tube (others on application)</b>