

The gas conditioning and sampling system is ideally suited for both intermittent and continuous operation. The components of the system are intended for "standard use." We also provide a wide range of additional equipment and other components if special measurements are required.

### **System Components**

#### **1. Probe**

It is a gas sampling probe. Removes dust in sample gas. Depending on the application heated version or non heated versions are used

#### **2. Sample dryer**

Dehumidifies sample gas. Consists of sample cooler with single coil or double coil

#### **3. Sampling module**

The sampling module contains the following components

- Solenoid valves to regulate flow of sample gas
- Peristaltic pump for continuous removal of condensate
- Diaphragm pump to extract sample: option eductor
- Flowmeter and needle valve to regulate and monitor the flow of sample gas
- Fine Filter to removes drain, dust and mist in sample gas.
- Drain pot to collect condensate



#### 4. Programmer

Microcontroller based programmer has been included in the unit to program different parameters and this feature makes CCS7 one of the most versatile system adaptable to any site conditions.

The following user programmable features have been provided

- System warm up time
- Sampling time
- Drain time
- Drain duration
- Purge time
- Purge duration

#### Technical Data

Gas Conditioning Type	<b>CCS7</b>
Sample outlet dew point	+5°C
Sample inlet temperature	max. 180°C
Sample inlet dew point	max. +80°C
Gas flow rate	max. 350NI/h
Ambient temperature	+5°C up to +40°C
Storage temperature	up to +50°C
Pressure	up to 3 bar
Total cooling power	max. 90kJ/h
Number of gas outlets	one (option two)
Medium connections	¼" tube connections
Material of parts being in contact with the medium	stainless steel, PTFE,
Ready for operation	60 minutes minimum
Mains power supply	230V 50Hz ± 10% or 115V 50Hz ± 10%
Electrical connection	Terminals 6mm <sup>2</sup>
Casing dimensions (H x W x D)	1000mm x 500mm x 350mm
Weight	approx. 50.0kg

#### Bhoomi Analyzers

No.16, Shakuntala Krupa Shopping Complex,  
Near Mental Hospital, Thane (W) 400 604  
Ph: 91-22-25830769, 25805777  
Fax: 91-22-25805777  
Email: [sales@bhoomiltd.com](mailto:sales@bhoomiltd.com)  
Website: [www.bhoomiltd.com](http://www.bhoomiltd.com)

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