

The CES711 digital barometer measures the absolute atmospheric pressure. It is designed to be installed indoor or outdoor

Applications

- Synoptic meteorology
- Climatology
- Atmospheric studies



Benefits

- Accuracy
- High long-term measurement stability in the operating temperature range
- Reliability : data are registered on the acquisition unit
- No maintenance required

Operation

It has been designed specifically to be installed on Cimel's automatic weather stations, operating with Cimel's innovating custom MicroAmps technology

- The sensor is mounted inside the main body of the AWS
- Absolute pressure measurement by a silicon piezocapacitive transducer
- The data are transmitted minute by minute
- Directly linked to a Cimel acquisition unit

Technical features

Measurement	Pressure measurement range	750 to 1150 hPa
	Resolution	0,1hPa
	Accuracy	0,5 hPa
	Long term drift	0,5 hPa per year
	Operating range	Temperature : -20°C to 60°C Humidity :from 0 to 100% HR without condensation
Connection	Cable	1 m
Output		Pulse train
Environmental conditions		
	Temperature range	-20°C to 60°C
General	Housing	4,8cmX3,2cmX1,6cm
	Weight	46g
	Material	ABS