

**SCIENTIFIC INSTRUMENTATION:
High resolution metal loss technology
Multi-channel bench top instrument with software interface**

Applications include:

- Corrosion inhibitor testing
- Materials evaluation
- Process & pilot plant testing

User benefits include:

- Shorter test times: due to exceptional metal loss measurement resolution
- Process understanding: using associated temperature data
- Comparative information: parallel monitoring of up to 4 materials/conditions
- Simple: PC based configuration and operation



Product Features:

- Modular configuration up to 4 channel
- Software driven using standard PC
- Mains 110/240 v 50/60 Hz supply – self selecting

DESCRIPTION

The CSB bench top scientific instrument allows corrosion and erosion rate measurements to be made using CEION® high sensitivity metal loss technology. Due to the very high resolution obtained, the results may be used in real time for evaluating the performance of materials, chemical inhibitors or processes. The instrument is housed in a free standing aluminium case with four probe cable ports on the front panel. Connections for a standard IEC power lead and an RS232 comms cable are provided on the back panel. All configuration and operating control is performed via the software running on a standard PC. The units may be ordered with any number of the 4 possible channels implemented and additional channels may be implemented later. Probe cables are supplied for each implemented channel ordered.



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The unit is compatible with all CEION CPE series probes. *These must be ordered separately.* The probe element material is selected according to the monitoring objective. A wide range of sensors capable of operating under all types of process conditions is available. Please consult our Applications Team for advice on selection.

Data

Size mm W 367 x H 111 x D 316
Size inch W 14.32 x H 4.37 x D 12.44

Weight: Up to 4 kg (8.8 lbs)

PC requirement: any Windows 2000 compatible PC

Accessories supplied: Mains power lead (specify country)
 PC comms lead – 9 pin D type connector
 Probe lead for each channel implemented
 Software (specify media)
 Operating manuals

Product Codes

CSB	02	4						
Scientific instrument, bench top configuration	Model	Maximum possible channels	Mains power connection		Number of channels implemented		Accessory options	
			B	UK	01	One channel	00	None
			E	Europe	02	Two channels	01	Tip-up handle
			U	USA	03	Three channels	02	Strap Handle
					04	Four channels	03	Tip-up feet
				05	Options 2&3 together			

CSB	ACC		
Scientific instrument, bench top configuration	Accessory	Accessory type	
		MCB	Mains power lead UK
		MCE	Mains power lead Europe
		MCU	Mains power lead USA
		CCC	PC comms cable
	PC6	Probe cable	