

# Model **Checkmate™** **CORROSOMETER®** Portable **Instrument**

## **Features:**

- **Reads all CORROSOMETER® (Electrical Resistance) Corrosion Probes**
- **Measurement Resolution – 0.1 Probe Divisions (0.01% of Probe Span)**
- **Repeatability -  $\pm 1$  Division (0.1% of Probe Span)**
- **Rapid Measurement Cycle – 30 Sec.**
- **Downloads Stored Readings Directly to PC**
- **Certified for use in Hazardous Locations. Intrinsically Safe – (ATEX/UL/ULc (IEC) Certified)**



The Checkmate is the newest addition to the industry-standard Corrosometer® Product Line. Using “state of the art” surface mount integrated circuits, the sophisticated electronics provides higher resolution and measurement accuracy of Corrosometer (Electrical Resistance) corrosion probes. The measurement cycle time for direct probe readings has been reduced to 30 seconds

while still maintaining high accuracy. The Checkmate with Corrdata Plus Software option enables stored readings to be easily downloaded to a PC where graphing and analysis can be performed with Corrdata Plus Software. The instrument is well suited for use in harsh field environments and certified for use in Class I, Zone 1 (Hazardous Locations).

## Specifications:

**Compatibility:** Direct Measurement of all Corrosometer Probes  
(To download from Corrdata RDC's, see Checkmate Plus data sheet under Integrated Systems)

**Metal Loss Resolution:** 0.1 Division  
0.01% of Probe Span

**Metal Loss Repeatability:** ±1 Division  
0.1% of Probe Span

Stores up to 204 Individual Probes (10 readings per probe)

**Power Source:** 6 AA Alkaline Batteries

**Battery Life:** 900 Probe Readings, typical

**Temperature Range:**

**Operating:** 0°F to 122°F (-18°C to 50°C)

**Storage:** 0°F to 150°F (-18°C to 65°C)

**Probe Cable:** Extension Cables up to 200 ft. (61m)

**Hazardous Area Certification:** Class I, Zone 1

North America:  
UL AEx ib IIC T4  
ULc Ex ib IIC T4

Europe:  
CE (EMC) Directive  
ATEX EEx ib IIC T4

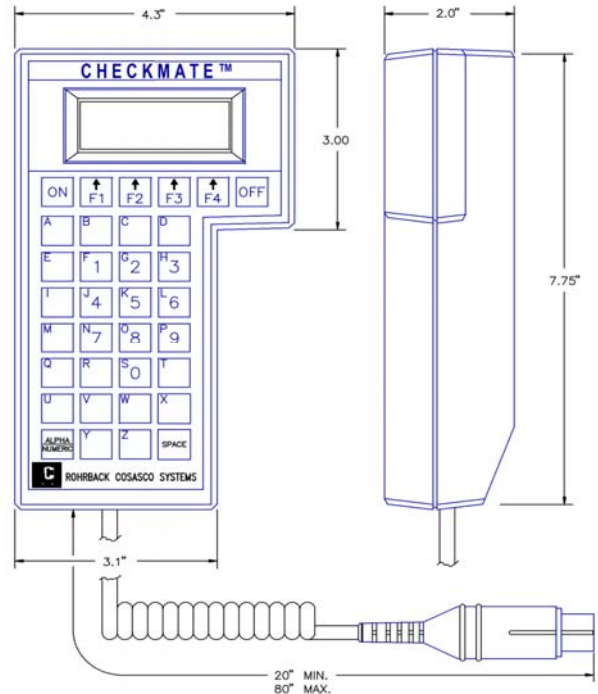
Australia:  
Conformity Assessment  
document is available for Australia.

**Enclosure:** Splash-proof enclosure with sealed membrane keyboard

**Weight:** 1.5 lbs. (0.68 kg)

**Accessories:**

Field carrying case, Leather – P/N 723631



## Ordering Information:

Model	Description				
Checkmate	Portable Corrosometer Instrument, ASCII Format, CSV File PC Download Software, Batteries, Test Probe, Manual, PC Comm. Cable.				
	<table border="1"> <thead> <tr> <th>Code</th> <th>Software</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>With the Addition of Corrdata® Plus Software</td> </tr> </tbody> </table>	Code	Software	1	With the Addition of Corrdata® Plus Software
Code	Software				
1	With the Addition of Corrdata® Plus Software				
Checkmate	1 ← Typical Order Number				



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