

# ELECTRICAL RESISTANCE (ER) PORTABLE INSTRUMENT

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## Checkmate™ Plus

### Features

- **Reads all Electrical Resistance ER Corrosion Probes**
- **Downloads Stored Corrosion Data From ER Remote Data Collectors**
- **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**



The Checkmate Plus Electrical Resistance (ER) Instrument uses “state of the art” surface mount integrated circuits, the sophisticated electronics provides higher resolution and measurement accuracy of ER probes. The measurement cycle time for direct probe readings has been reduced to 30 seconds while still maintaining high accuracy.

The Checkmate Plus ER instrument has the capability to download stored corrosion data from ER Remote Data Collectors.

Stored readings are easily downloaded to a PC where graphing and analysis can be performed with Corrddata Plus Software.

The instrument is well suited for use in harsh field environments.

**COSASCO®**

## Specifications

**Compatibility:** All Standard ER probes  
All ER Remote Data Collectors

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

**Metal Loss Repeatability:**  $\pm 1$  Division  
0.1% of Probe Span

**Memory:** Stores up to 204 Individual Probes (80 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)

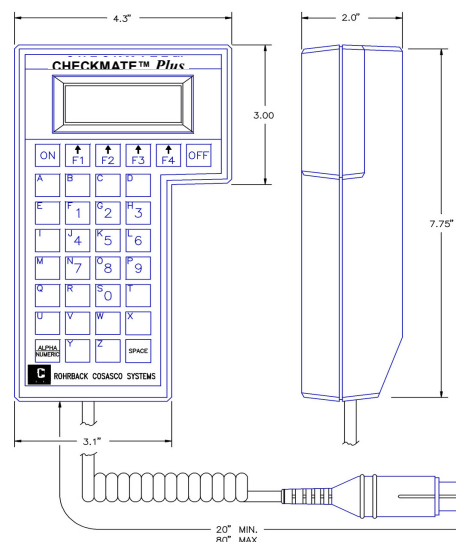
**Storage:** 0°F to 150°F (-18°C to 65°C)

**Probe Cable:** Extension Cables up to 100 ft. (31m)

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

**Weight without carrying case:** 1.5 lbs. (0.68 kg)

**Weight with carrying case:** 5 lbs (2.3kg)



## Ordering Information

Model	Description
Checkmate-Plus	Portable ER Instrument, ASCII Format, CSV File PC Download Software, Corrddata Plus Software, Batteries, Test Probe, Manual, Cable Assembly: Checkmate to Computer, Cable Adapter: Checkmate to RDC, & Carrying Case

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