Remote Data Collection System

RDC-COT

Electrical Resistance Remote Data Collector (RDC-COT) are used at every probe location where maximum visibility and sensitivity to corrosion rate changes are required. Readings of corrosion data may be set as frequently as every five minutes for the RDC-COT.

Programming and data retrieval from the RDC-COT is accomplished by a single Checkmate[™] DL for direct transfer to a portable or desktop P.C. running Cosasco Data Offline Software. For non-intrinsically safe applications the RDC-COT may be configured directly from the PC.

For increased versatility, battery or line power may be used.

Cosasco Data Offline Software provides graphical displays of corrosion data for immediate identification of corrosion upsets. With Cosasco Data Offline Software, multiple probes and additional corrosion related parameters can be simultaneously reviewed.





RDC-COT Connected to a High Pressure ER Probe

Electrical Resistance Metal Loss Measurements in any Process Media

Remote Corrosion Data Collection

Integrates Multiple Parameters

Simple Operation with Graphical Displays

Hazardous Area Location Certified

Intrinsically safe (IECEx/ATEX/_cCSA_{us})

CE Compliant

ATEX Compliant

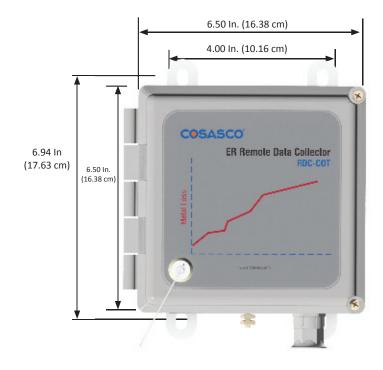


RDC-COT

ER RDC Specifications

	оросиношной						
Operating Temperature		-40°F to +158°F (-40°C to +70°C)					
Data Storage		Most recent 1024 measurements					
Typical Battery Life		14 Ah Battery 91 days @ 1 reading/hr.					
Probe Channel Cables		Ten foot probe cable included (contact factory if alternate length is Necessary), 250 ft maximum					
Weight		5 lbs (2.3 kg)					
Enclosure		Fiberglass Polyester NEMA 4X					
Compati	bility	All Cosasco ER Probes					
Hazardou	s Area Certifications						
	USA/Canada	UL/ULc Class 1, Zone 1, Ex and AEx ib IIC T4* (Class 1, Div. 2, A, B, C, D, T4) with Battery Pack for USA and Canada UL/ULc Class 1, Zone 1, Ex and AEx ib IIB T4* (Class 1, Div. 2, A, B, C, D, T4) with Remote Power for USA and Canada					
	Europe	DEMKO/ATEX EEx ib IIC T4* with Battery Pack for Europe DEMKO/ATEX EEx ib IIB T4* with Remote Power *T4 at 50°C Ambient, and *T3 at 70°C Ambient					

Dimensions





Data Transfer Unit (Checkmate DL) Specifications

Compatibility	Reads all ER and LPR RDC Units and all Microcor Data Loggers					
Memory	For up to 50 RDCs when programmed with for Corrdata® Systems. 57,330 Microcor® Data Logger readings when programmed for Microcor® Systems.					
Transfer Data	Intrinsically Safe RS 232 at 9600 Baud Rate					
Power Source	6 AA Lithium Batteries					
Battery Life	Typically 10 hours of continuous operation					
Display	Four Line Liquid Crystal Display (LCD)					
Temperature Range	Operating: 0°F to 122°F (-18°C to 50°C) Storage: 0°F to 150°F (-18°C to 65°C)					
Enclosure	Splash-proof enclosure with sealed membrane keyboard					
Dimensions	7.75"H x 4.30"W x 2"D (196.8 mm x 109.2 mm x 50.8 mm)					
Weight	Without carrying case: 1.5 lbs. (0.68 kg) With carrying case: 5 lbs. (2.3 kg)					
Hazardous Area Certifications						
USA/Canada	UL AEx ib IIC T4 Tamb = -20°C to +50°C ULc Ex ib IIC T4 Tamb = -20°C to +50°C					
Europe	CE compliant (EMC, ATEX) ATEX EEx ib IIC T4 Tamb = -20°C to +50°C					

Dimensions



Ordering Information: ER Remote Data Collector

Model	Descripti	on							
RDC	Single Channel ER RDC								
	Code	Probe Type							
	СОТ	ER Probe							
		Code	Connector	Туре					
		Α	Type A Con	nector					
		В	Type B Con	inector					
		S	Type S Con	nector (Mod	el 3700 only)				
			Code	Power (O	ptions)				
			0	Power Co	nnector				
			3	Heavy Du	ty 14 Ah Batte	ry Pack (P/N 748270)			
				Code	Hazardous	Area Certifications			
				3	See Specific	ations Above			
					Code	Cable Length in Feet			
					L	*Length in feet (Standare 10 feet)			
. ↓	↓ ↓		\			1			
RDC	— сот	— в	 o	— 3	→		Example		

^{*}Maximum cable length 100ft.

Ordering Information: Checkmate DL

	Model	Description					
C	heckmate-DL	Portable Corrdata Data Logging Instrument with Carrying Case					
		Code	Certification 2				
		1	Intrinsically Safe				
	\	+					
CI	heckmate DL	— 1	←	Example			

Accessories: Field carrying case, Leather - P/N 723631

Cosasco

11841 Smith Avenue Santa Fe Springs, CA 90670, USA Tel: 1-562-949-0123 Email: sales@cosasco.com Web Site: www.cosasco.com ©Rohrback Cosasco Systems, Inc. All rights reserved

The contents of this publication are presented for information purposes only, and while effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described wherein or their use or applicability. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

Rohrback Cosasco Systems Corrosion Monitoring Equipment is manufactured and sold under one or more of the following US Patents: 4138878, 4238298, 4338563, 4514681, 4537071, 4587479, 4605626, 4625557, 4755744, 4839580, 4841787, 4882537 5243297.



ER-RDC-DS revB Rev. Date 12/20/2017