

Data Collection Units 2000 Series Portable ER, LPR & ZRA

cormon

IER2000 Portable Electrical Resistance Instrument
IPR2000 Portable LPR/Galvanic Instrument

CMEI004.1

- Digital measuring devices with on-board microprocessor
- Powerful tag memory and data storage facilities
- Intrinsically safe – Baseefa certified
- Error messaging – rejects invalid measurements
- Simple operation – menu option display
- Lightweight and robust construction
- Operates with standard batteries
- PC compatible communications port and software



Memory and data transfer

The 2000 series instruments eliminate the need for manual recording in the field as the memory facilities allow storage of a tag table and any measurements made. Each tag can include measurement parameters so that the probe type, as well as time and voltage for LPR, can be set to control the measurement made at each individual location.

Probe compatibility

The IER2000 will read an extended range of resistances that many other portables cannot accurately measure. The IPR 2000 will read 2 or 3 electrode probes in either flush or projecting styles. On board parameter settings allow time, voltage and conversion factors to be individually set, giving complete flexibility of measurement and electrode area. The results may be displayed as current, mpy or mmpy. The unit will also make galvanic current (ZRA) measurements on 2 electrode probes.

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BS EN ISO 9001 Registered (BSI: Q5877)



Data Collection Units

2000 Series Portable ER, LPR & ZRA

Each 2000 series instrument is supplied complete with:

Retractable probe cable and connector MIL Spec. C5015
 Padded nylon carry-case with strap
 Dummy probe
 Extension adapter
 2 PP3 batteries
 Manual

If the instrument is for use with a probe mounted in a 2" access fitting an extension adapter is needed unless a permanent adapter has been installed. Each 2000 series instrument is supplied with one adapter.

Specification

Model	IER 2000	IPR 2000
Type	Electrical Resistance	Polarisation Resistance / ZRA
Resolution	0.1%	0.1 microamps
Repeatability	± 0.1%	± 0.1%
Range	-	0-2000 microamps
Measurement cycle	Sample or Check	20 – 900 seconds
Operating temperature	- 10°C to + 50°C	
Power supply	2 off PP3 (IEC 6F22)	
Weight with case	1.85 kg (4 lb.)	
Hazardous area safety class	Eex ia IIc T4	
Intrinsic safety (Baseefa) certificate number	DCU MIP ER Ex 90C2207	

Product order codes

Code	Description
IER 2000	Standard portable ER instrument
IPR 2000	Standard portable LPR instrument
GEA PL 092	Plain extension adapter (spare)

Probe wiring: not all manufacturers use the same wiring for LPR probes. If in doubt contact Cormon Product Support (support@cormon.com) with the make and model number of the existing probe you wish to read.