

DATA COLLECTION UNIT



High Resolution Multi Function

The Axess DCU is a high resolution, battery powered, corrosion monitoring instrument capable of reading all types of electrical resistance (ER), linear polarization resistance (LPR) and galvanic probes.

The unit is operated with an integrated menu driven screen for ease of use, providing rapid measurements of metal loss for electrical resistance probes, corrosion rate for linear polarization resistance probes, and current or potential for galvanic probes. The most recent reading is also viewable on the display.

Up to 7,200 data points are preserved in the internal memory which can be downloaded to the Axess HHU via the RS-232 Serial ASCII connection, for transfer to the accompanying corrosion monitoring software (CDAS) for analysis. The software is used to graph metal loss trends, calculate corrosion rates with data exportable in csv (comma separated value) format for import into excel and other applications.

The GRP enclosure is lightweight and an optional mounting bracket kit is available for direct mounting to site structure or Axess low and high pressure access systems.

USE WITH ER, LPR AND GALVANIC PROBES

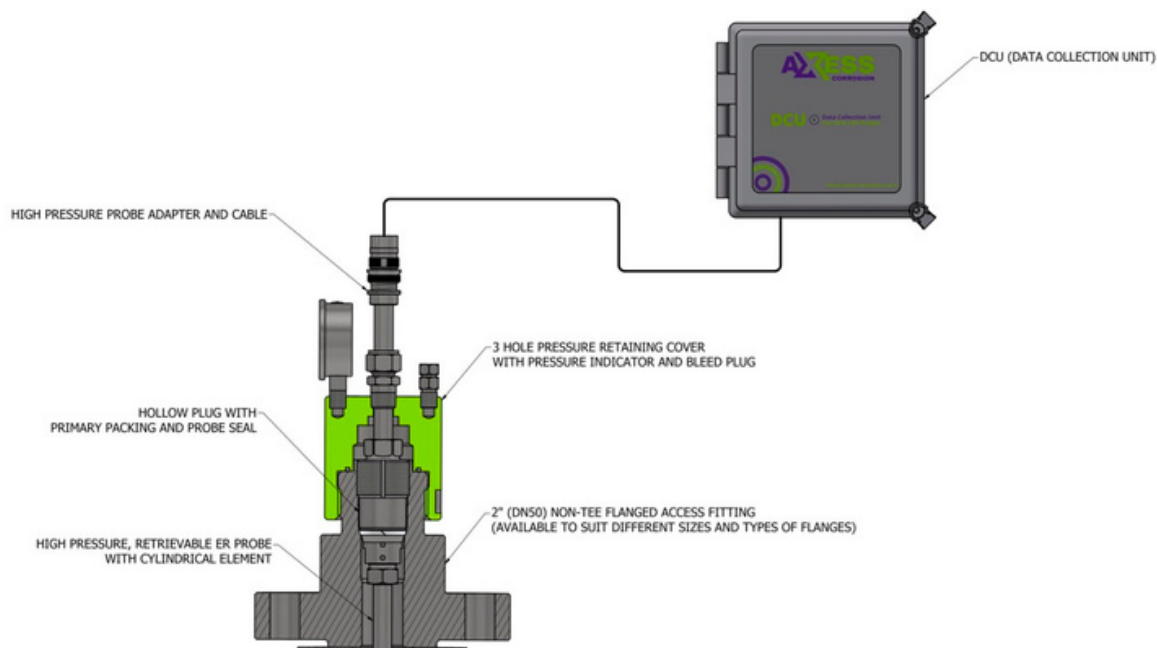
RECENT READINGS ARE DISPLAYED INSIDE THE ENCLOSURE

CHANGE PROBE TECHNOLOGY WITHOUT CHANGING HARDWARE

BATTERY LIFE UP TO 5 YEARS AT READINGS EVERY 6 HOURS

CONFIGURE WITH HHU OR ON DCU LED PANEL

STANDARD 10FT CABLE AND CUSTOM LENGTHS AVAILABLE.



Technical Specifications

Probe Type	Electrical Resistance (ER) Linear Polarization Resistance (LPR) Galvanic Potential
Resolution	20 bits
Memory	7.200 Readings
Temperature range	-20°C to +70°C (-4°F to +158°F)
Power Supply	Lithium Battery Pack (7.2V 5Ah)
IECEX	Ex ia IIC T4 Ga/Gb
ATEX	Ex II 1/2 G Ex ia IIC T4 Ga/Gb
Ingress Protection	IP66
Communication	RS-232 Serial ASCII Bus 9600, 8, N, 1
Weight	1.7kg (3.8lb)
Dimensions	6.5" x 6.5" x 4.25" (165mm x 165mm x 108mm)

Part Numbering	
AXDCUHB	Axess Data Collection Unit
AXDCUHBAT	7.2V 5Ah Lithium Battery Pack
AXDCUBRKT	DCU Mounting Bracket Kit



Innovating Safety...

