



CATHODIC PROTECTION RECTIFIER UNIT - CPRU

The conventional cathodic protection units (CPRU) manufactured by the CIC are devices designed under quality parameters with high performance and great reliability. The varieties of available models take into account for different applications such as: production and transport structures, oil and gas distribution.



Km 2 Vía Refugio,
Sede UIS, Guatiguará,
Piedecuesta, Santander.
Colombia.

Tel: (57) (7) 6550807 / 6550809
Fax: (57) (7) 6550808
Cel: 320 493 3263

correo@corrosion.uis.edu.co
<http://corrosion.uis.edu.co>



SPECIAL CHARACTERISTICS

The cathodic protection rectifier units – CPRU has a wide range of output voltage according to the requirements of the client.

The output voltage can be configured by using an easy adjustment panel.

Those adjustments allow an exact output voltage level increase in order to optimize the cathodic protection process applied to the structure.

The CRPU has a highly efficient transformer designed in order to guarantee correct output voltages under extreme temperatures.

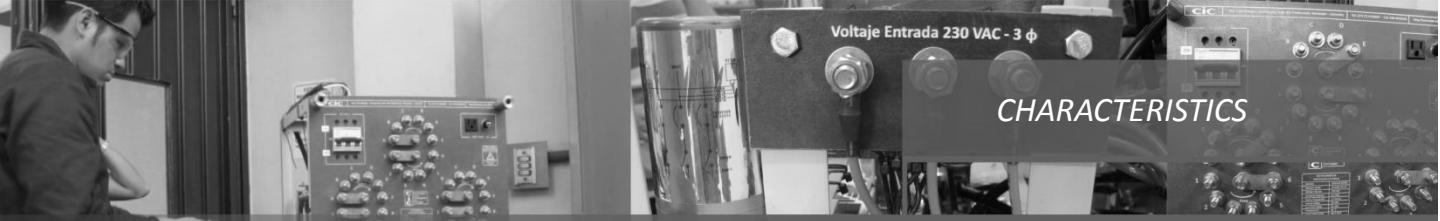


MEASURE SYSTEM

The cathodic protection rectifier unit – CPRU has a digital voltmeter and current, it also has two hour meter (one for each AC/DC input) which shows the rectifier operation time. The device has a shunt resistance for the indirect current measurement.

All the components are assembled over a laser engraved panel which has thermal and electrical insulation properties. The used of laser engraved technology avoid the use of metallic labels that are susceptible to corrosion.





GENERAL CHARACTERISTICS

- Natural convection cooling system
- High performance transformer, which is tested and manufactured with an strict quality control
- The input supply voltage can be single or tri-phase at 60 Hz.
- Rectifier bridge with silicon diodes.
- The cabinet is NEMA 3R protected with electrostatic paint.
- General wiring protected with an special coating for high temperatures.
- Digital voltmeter and ammeter
- Wide reading range hour meter
- Electrical overload protection:
 - ✓ Quick response fuse
 - ✓ Thermo-magnetic circuit cutout
- Electrical surge protection:
 - ✓ DC Varistor
 - ✓ AC DC Surge arrester
- Shunt resistance
- Output voltage adjustable
- Operation and installation manual
- Single-phase rectifiers have a filtering system by a choke coil in order to improve the waveform.

