

PRODUCT DESCRIPTION

The state-of-the-art **external corrosion control coupon** for facilities with cathodic protection is built to provide error-free cathodic protection system readings.

Our coupons are made with 12 AWG THHN-THWN wire, which is a double jacketed wire that allows the coupon to be directly buried without the need for additional protection.



CHARACTERISTICS:

- Easy installation in existing test stations.
- No new test stations are necessary.
- There is no need to interrupt all current sources for IR-free readings.

BUILT FOR ACCURACY AND PRECISION:

Unlike other corrosion coupons, it is IR free and is designed to evaluate cathodic protection systems without interrupting rectifying units (URPCs), external bridges, or sacrificial anodes.

It consists of a bare carbon steel cylinder head, and a braid of wires, which are inserted into the steel cylinder.

Error-free measurements enable compliance with industry regulations and standards by not considering IR drop in cathodic protection soil-to-ground potential readings

BUILT TO LAST:

TECNOLOGIA TOTAL products are assembled under certified quality standards, in which the cable-coupon interface is environmentally sealed to prevent the steel, copper and components welding from being free of corrosion, making the coupon virtually indestructible.

COUPON SELECTION:

- Select the bare area of the coupon in cm², standard options are 5,10 and 20 cm².
- Select the length of the coupon cable in meters, which corresponds to the length of each of the two cable strips.
- Select cable color options (White and yellow)

EXAMPLE:

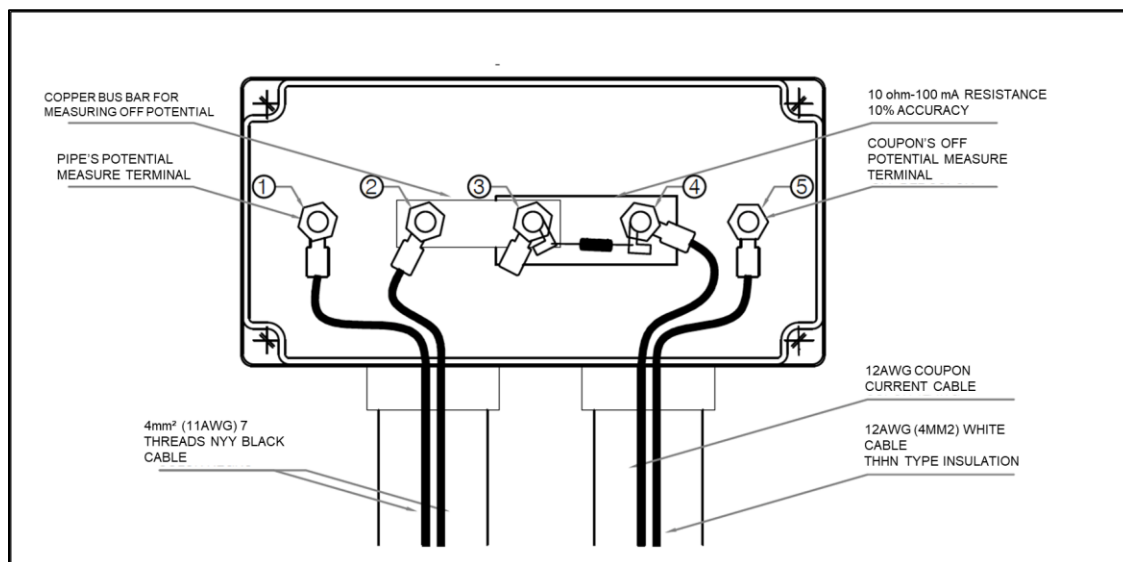
A WHITE C-EXT-10-15-COUPON, corresponds to a coupon of 10 cm² of exposed area and 15 meters of White THHN-THWN wire, in 12 AWG gauge which is the standard cable used in its manufacture.

EASY INSTALLATION:

Our IR Free Corrosion Coupon is designed for easy installation alongside existing test stations, as shown here.

- Install the coupon approximately 20-40 cm from the pipe or install it at the site you want to monitor.
- Then fill the area near the coupon with natural terrain of the same type of terrain of the structure to be monitored.
- Install the coupon leads at the test station.
- Next, connect one of the coupon cables with a cable coming from the structure to be monitored by direct connection or through a bar, shunt or jumper at the box test station.

The following figure shows a typical installation.



EASY MEASURE:

- An IR-free potential reading is obtained by interrupting the connection between the coupon and the structure test cable, generally through the copper bridge between the coupon and the duct.
- Take a potential measurement one or two seconds after breaking the coupon connection.

SPECIAL CONSIDERATIONS:

- The elements that are going to be installed are fragile and must be handled carefully. They should not be thrown nor pulled by the cable.
- Perform excavation and drilling following the approved project procedures for earthmoving.
- Trenching and cable installation must be done according to project procedures.
- The location of the installation points will be according to the respective design.



Exterior corrosion coupon for monitoring cathodic protection of platforms (100 cm²)
with 10 AWG THHN-THWN wire.

WARRANTY AND LIMITATION OF LIABILITY

TECNOLOGIA TOTAL will not be in any case responsible for damages of any nature that could be derived from an inadequate use of the product. Before using the product, the user must determine if the product is suitable for its intended use, taking all risks and liability that could be derived from its use.

If it's proved that a product is faulty due to manufacturing or its material at the time of sale, or that it does not fulfill during its warranty period the indicated properties in this technical sheet, the only responsibility of TECNOLOGIA TOTAL will consist of replacing the buyer with the quantity of product that is found to be defective. TECNOLOGIA TOTAL does not take any responsibility for any additional cost such as manufacturing cost, withdrawal or re-application of the products. If TECNOLOGIA TOTAL offers a warranty to their clients, express or implicit, or a compensation that differs from the established in this section, this stipulation can not be altered unless a signed agreement by the parties.

EXCLUSIVE DISTRIBUTOR FOR PERU: **TECNOLOGIA TOTAL SAC.**

