



### TAPES, MASTICS, PRIMERS

#### SPECIALTY ITEMS

**Royston Protective Coating (RPC):** is a single component clear polyurethane conformal coating packaged in aerosol cans. RPC forms a tough film, which protects against humidity and surface - borne contaminants. RPC is excellent for sealing printed circuit assemblies, test station boards and rectifier panels.

**Royston SpliceRight:** is designed to insulate, waterproof, and protect lowvoltage electrical connections. Its tacky elastomeric compound completely seals and waterproofs the connector area. This is then covered with a resin impregnated, moisture cured fabric which when dry provides a mechanical protection for the sealant.

**Royston Mini SpliceRight:** is designed to protect plastic pipe trace wire splices. It consists of a black elastomeric putty to encapsulate the wire nut, and a 2 part epoxy armor to mechanically protect the putty.

**Royston Handy Cap:** is a prefabricated assembly designed for cathodic protection leads to pipes and tanks. When manually pressed into position over the anode lead wire weld, it forms a thick, highly resistant electrical insulation seal over the weld, the end of the leadwire, and the surrounding area of pipe or tank.

**Royston PatchRight:** is a sealing system designed for quick, permanent repair of leaking, low-pressure steel gas lines with maximum pressure of 3 PSI. Each kit contains butyl rubber patch, a flexible neoprene tape, and a resin impregnated fabric. PatchRight maintains outstanding electrical resistance and physical properties without deterioration over time or exposure to corrosive underground environments.

**Royfill Cold-Injected Casing Filler:** is a petroleum-based compound blended with corrosion inhibitors used to fill the annular space between the pipe and the casing, which surrounds it. It corrects electrolyte shorts and many metallic shorts have been cleared through the natural buoyancy action of the filler. Pipelines surrounded by casing that cross highways and railways that must be electrically insulated from metal casing, are typical applications.

## THERMITE CONNECTION

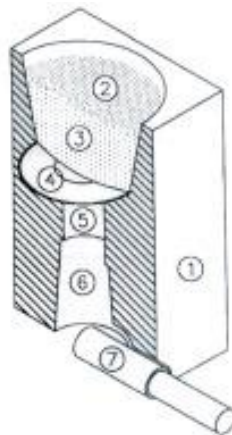


### THERMOWELD GRAPHITE MOLD

- Electrical connections for cathodic protection
- Provides a maintenance free cathodic connection
- Light, portable, easy to use
- Requires no outside power source
- Connects to horizontal steel, vertical steel, and horizontal cast iron

THERMOWELD GRAPHITE MOLD

1. Cutaway of Thermoweld Mold
2. Starting Powder
3. Thermoweld Powder
4. Metal Disc
5. Tap Hole
6. Weld Cavity



### THERMOWELD POWDER

- Standard powder is used for welding copper or steel to steel
- Cast iron powder is used for welding copper or steel to cast iron

### ADAPTER SLEEVES

- copper sleeve allows small diameter conductors to be used in molds cut for larger cables

### TOOLS AND KITS

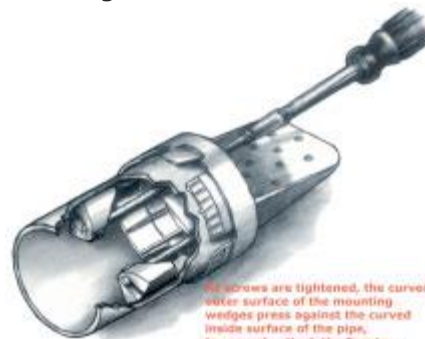
- tool kit with or without rasp
- tool box
- 8" file
- wire brush
- card cloth brush
- crimping tool
- 8" screw driver
- flint gun
- flints
- 3/4" discs for all cartridge sizes
- rasp
- replacement blade for rasp

## TEST STATIONS



### SCEPTER TEST STATION

- Designed for cathodic protection testing
- Provides a versatile above-ground terminal for monitoring electrical currents and potentials on underground pipeline
- Vandal resistant cap requires no special tools or keys
- Easy installation and wiring
- Built-in venting system allows moisture to escape
- Maintenance-free design



As screws are tightened, the curved outer surface of the mounting wedges press against the curved inside surface of the pipe, to securely attach the Scepter.



### CATHODIC PROTECTION TEST STATIONS

- Used to check:
  - integrity of insulators on flanges, joints and all types of underground structures
  - cathodic protection anode currents
  - structure to soil potentials
  - stray currents
  - electrical bonding
- Convenient above-ground tie point terminals for cable leads attached to underground structures
- Ideal for quick access by field personnel
- Impact resistant
- UV protected



### INSULATED UNIONS

#### GROUND JOINT INSULATING UNIONS - 150 LB. TO 3000 LB.



- Stops galvanic and electrolytic corrosion of mains and services
- Protects against stray or induced currents
- Molded nylon insulation withstands shock loads, impacts, and most substances
- Permanent, economical protection
- Available in 1/4" to 2"



#### O RING INSULATING UNIONS - FLAT FACED TYPE 150 LB. TO 3000 LB.

- Protects against stray or induced currents
- Economical and reusable
- Sizes 1/2" to 3"

### METER SWIVELS



- For all types of gas meters
- Straight, offset, 90 deg., reducing, female
- Available in all sizes
- Insulated or non-insulated
- Interchangeable with standard connections
- Insulation is UV resistant, has high dielectric strength and is bonded to the metal by a weatherproof adhesive

## HOLIDAY DETECTOR



### HOLIDAY DETECTOR

- Portable quality control inspection instrument
- Used to electrically locate defects in protective coatings
- Recommended for fusion-bonded coatings
- For coatings up to 30 mils applied to metallic or concrete structures
- Useful on pipelines, tanks, pilings
- Not affected by climatic conditions
- Full and half-circle electrodes available



### PEAK READING VOLTMETER

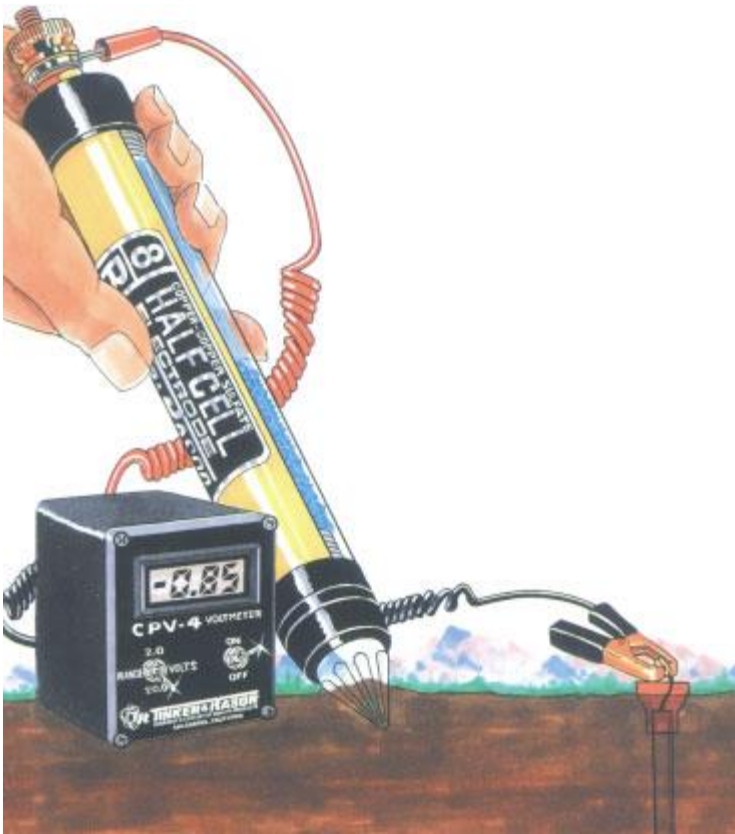
- For measuring the output voltage of pulse type D.C. holiday detectors
- Easy to operate, large LED display
- Aluminum instrument Case
- Lightweight and portable
- Includes:
  - Voltmeter
  - Ground Cable
  - High Voltage Cable with Clamp
  - Carrying Case
  - Operating instructions



## VOLTMETER

### CATHODIC PROTECTION VOLTMETER

- For measuring DC structure-to-earth potentials of buried or submerged metallic objects
- Built-in filter rejects AC interference
- Digital readout
- No warm-up time required
- Not affected by temperature



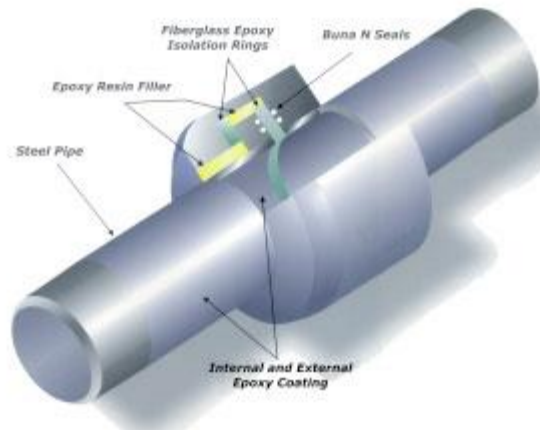
### HALF CELL

- Copper-copper sulfate reference electrode
- Fits all popular cathodic protection meters
- Full-view window allows liquid level observation
- Durable and easy to use
- Temperature stable, indefinite shelf life

## ISOLATION FITTING

### ELECTROSTOP

- Insulated fitting blocks the flow of electric current in all piping systems
- Eliminates short circuits caused by bolts, sleeves, and washers
- Available in all sizes and pressure ratings



## FLANGE INSULATION



### LINEBACKER

- Comes with sleeves and washer or integral one piece sleeve
- Available in phenolic, neoprene faced phenolic, viton and special order materials
- Insulated on one side or both sides as required

### TYPE "E" GASKET

- Has same outside diameter as the flange
- Precision located bolt holes are easy to center

### TYPE "F" GASKET

- Fit within the bolt hole circle of the flange face
- Outside diameter of the gasket is slightly larger than the inside diameter of the bolt hole circle
- For use with raised face flanges

### SPECIALTY ITEMS



#### LINK SEAL

- Pipe to wall penetration seal
- Solid rubber links interconnected by bolts
- Forms hydrostatic homogenous seal

#### PLASTIC CASING INSULATOR

- Insulates pipeline from casing at road, river, and bridge crossings
- Economical, easy to install
- Available in all sizes

#### DRIVEABLE ANODE

- 1/2 lb. to 1 1/2 lb. bare magnesium anode
- Easy to install
- Very durable