

## DOUBLE COUPON HOUSING

With Copper or Zinc Reference Electrode

*Protective Housing provides a contaminant free environment for the Reference Electrode*

### Reference Electrode Features

- **Stable & Accurate:** The reference electrode with its porous hard ceramic plug & solid electrolyte is inherently stable & low in resistance. Measurements are fast and accurate.
- **High Impact:** ABS plastic housing is corrosive environment resistant.
- **Unlimited Shelf Life:** Dry electrode technology allows the electrode to be stored indefinitely. Activation or reactivation takes place following hydration.
- **Long Service Life:** Service design life is 30 years unless contaminated.
- **Chloride Ion Trap:** Cu/CuSO<sub>4</sub> or Zn/ZnSO<sub>4</sub> ion trap equipped for service of < 200 ppm Cl.
- **Active Cell Area:** Diameter 1" (2.5 cm) Ø x 8" (20.3 cm) Long
- **Reference Electrode Lead Wire:** 14Awg-10Awg RHH, RHW cable. Standard lengths: 30', 50', 100', 150', 200', 250', etc. Custom lengths available upon request.
- **Stability:** (+/- 5) Millivolts with 3.0 Microamp load.
- **Temperature Range:** 33° F to 135° F (0.5° C to 57.2° C)



### Double Coupon Housing Features

- **Sealed Housing:** with a hydrophilic porous membrane (3 5/8" Ø x 27 3/4" L)
- **Coupon Sizes Available:** 1 in<sup>2</sup>, 1 cm<sup>2</sup>, 2 cm<sup>2</sup>, 5 cm<sup>2</sup>, 10 cm<sup>2</sup> and 50 cm<sup>2</sup>
- **Two (2) coupons** – Each exposed coupon is in a sealed holder on the exterior of the housing
- **Coupon material:** CRS1018
- **Two (2) coupon cable leads:** 14Awg-10Awg RHH, RHW cable  
(For pipeline applications): GREEN for native coupon (Bright Steel)  
PURPLE for protected coupon (Bright Steel)  
(For tank bottom applications): GREEN for native coupon (Bright steel)  
BLUE for protected coupon (Millscale)
- **Electrode leads:** YELLOW for Copper Cell OR RED for Zinc Cell
- **Conductive casing backfill mixture:** included for filling housing after electrode is inserted (see separate instructions for more information on installation)

### Example of typical Part Description: DCH-P-CU-30FT

DCH - for double coupon housing

P - pipeline application OR T - tank bottom application

CU - copper/copper sulfate OR ZN - zinc/zinc sulfate reference electrode

\_\_FT - insert cable lead length required