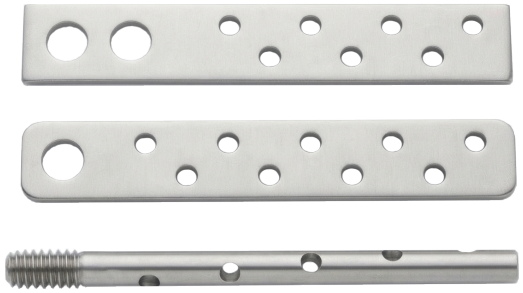
Scale Coupons (Deposition Coupons)

Qualitative & Gravimetric Deposition Monitoring in Industrial Water & Process Systems

As an authorized Metal Samples distributor, Imotron supplies precision-machined Scale Coupons (deposition coupons) designed to provide a qualitative measure of relative mineral scale and foulant deposition rates in cooling water, boiler feedwater, oilfield water injection, and industrial manufacturing process systems.



Standard Scale Coupon Geometries — Flat Strip Styles (CO26B & CO115) and Cylindrical Style (ES209)

1. Standard Scale Coupon Styles & Dimensions

Scale coupons feature perforated or slotted surfaces that induce localized turbulence and nucleation sites, accelerating mineral deposition for accurate visual and gravimetric deposit assessment.

P/N (Style)	Geometry	Size	Mounting / Thread	Area (Sq. In.)
CO26B	Flat Strip Scale Coupon	1/2" (W) × 3" (L) × 1/16" (T)	Ø 1/4" mounting hole (2 holes)	3.25
CO115	Flat Strip Scale Coupon	1/2" (W) × 3" (L) × 1/16" (T)	Ø 1/4" mounting hole (1 hole)	3.37
ES209	Cylindrical Scale Coupon	Ø 1/4" (Dia.) × 3" (Length)	1/4"-20 × 3/8" thread; 1/16" slot	2.505

2. Standard Alloys, Finishes & Ordering Options

Scale coupons are manufactured in a wide range of standard industrial alloys and surface finishes to match system metallurgy and scale-inhibitor test requirements.

Configuration Parameter	Available Standard Options
Standard Alloys	Carbon Steel (UNS G10100), 304L SS (UNS S30403), 316L SS (UNS S31603), Copper CDA110 (UNS C11000), Admiralty Brass CDA443 (UNS C44300), Aluminum 1100 (UNS A91100), Hastelloy C276 (UNS N10276), Alloy 625 (UNS N06625), or Customer Supplied Material (sheet, plate, or pipe wall).
Surface Finishes	Centerless Ground, Glass Bead Finish, Coarse Grit Blasted, Mill Finish, Sanded (120 Grit), Double Disc Ground, or Lapped.
Identification Marking	None; Sequence; Sequence & Alloy; or Sequence, Alloy & Mill Heat Lot Number.
Pre-Weighing & Insulators	**Weight Option:** Supplied Weighed (pre-weighed to 0.1 mg) or Unweighed. **Insulators:** No Insulators, Teflon® Insulators, or Nylon Insulators (*note: cylindrical style ES209 requires no insulators*).

Custom Sizes & Special Alloys: The configurations above represent the most common standard options. Additional coupon sizes, custom hole patterns, specialty alloys, and matching coupon holders are available upon request.

Select the Right Scale Coupons & Holders for Your Water Treatment Program
Contact Imotron Instruments for alloy recommendations, surface finish specifications, and compatible fixed, adjustable, or retractable coupon holders.