PRODUCT DATASHEET

Corrosion-Product Sampler and Cooling-Water Analysis Panel

Integrated corrosion-product sampling and cooling-water analysis panels

Product page





Close-up: filter holders and totalising meter

OVERVIEW

The Tech Inc. Corrosion-Product Sampler and Cooling-Water Analysis Panel measures how much iron and copper the steam-water cycle and cooling circuits are carrying, and how corrosive the cooling water is. An integrated corrosion-product sampler passes a metered flow of sample through membrane filters and ion-exchange papers for days at a time, so the laboratory can weigh or analyse what was collected; the cooling-water panel adds continuous conductivity, pH and corrosion-rate measurement.

TYPICAL DESIGN DATA

Sample	Boiler water, feedwater, condensate or cooling water
Sample flow	About 0.1 to 1 L/min per point
Filters	0.45 µm membrane and cation/anion papers in holders
Codes and standards	Steam and water sampling to ASTM D1066 practice
Measurement	Totalised volume, conductivity, pH, corrosion rate
Materials	316 stainless wetted parts
Panel	Stainless frame with drain tray

MODELS AND CAPACITIES

- **TI-CPW-1** – one sample point
- **TI-CPW-3** – three sample points
- **TI-CPW-CW** – cooling-water analysis panel
- **TI-CPW-CR** – coupon rack

Indicative number of sample points.

ORDERING CODE

Example **TI-CPW-3-C**: **3** number of sample points; **C** options: C cooling-water analysis, R coupon rack, N none.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: additional sample points; corrosion coupon rack; data logger; annual filter kit.

KEY ADVANTAGES

- **True average** – integrated sample over days
- **Continuous** – cooling-water probes
- **Low levels** – ppb iron and copper
- **One panel** – sampling and analysis together

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