PRODUCT DATA / PROCUREMENT CONTROL

Polarization Coupons and Probes

Drawing-controlled monitoring assemblies for CP potential, instant-off and AC/DC current-density assessment.

DOCUMENT STATUS	Public technical summary for enquiry and supplier prequalification. It is not an order-specific approved datasheet.
PRODUCT SCOPE	Project-selected coupon material and exposed area with insulation boundary, cable connection, environmental seal, holder/protection and terminal identity.
FINAL ACCEPTANCE	The signed quotation, approved drawing/datasheet, purchase order and agreed ITP take precedence over this document.

Selection principle

Exposed area is a controlled measurement input, not a visual estimate. Material, area convention, cable identity, connected/disconnected state and installation location must match the CP monitoring method.

Applicable standards and project references

Reference	How it is used
ISO 22426:2020	Cathodic-protection coupon application for evaluating CP effectiveness in onshore pipelines.
ISO 15589-1	Onshore pipeline CP design, criteria and monitoring context.
AMPP/NACE project practice	Applied only when the purchase specification identifies the relevant document and edition.
Approved monitoring method/drawing	Controls exposed area, connection state, placement, measurement and acceptance.

Available product configurations

Polarization coupon

Known exposed steel area for connected/disconnected potential assessment.

AC/DC current-density coupon

Defined area and circuit arrangement matched to the approved monitoring method.

Coupon/reference assembly

Coupon and project-selected reference electrode arranged for repeatable local measurement.

Custom probe assembly

Cable, holder, protection and installation interface released to drawing.

Technical data fields

Values are confirmed per selected model, approved drawing and project test basis. Blank or project-defined fields are intentional; they prevent unsupported catalogue guarantees.

Field	Required definition	Acceptance evidence
Coupon function	Polarization, AC/DC density, interference or project-defined monitoring	Approved method and schematic
Material	Grade, surface condition and relationship to protected structure	Material record
Exposed area	Area, tolerance, exposed faces and calculation convention	Approved drawing/dimensional record
Cable	Individual leads, conductor, insulation, length, color and tags	Cable/terminal schedule
Joint/seal	Connection method, electrical continuity and environmental seal	Assembly procedure/inspection
Installation	Depth, orientation, spacing, protection and terminal connection state	Installation drawing/method

Inspection and release plan

Control point	Verification	Acceptance basis
Material	Grade and product identity	Approved requirement
Exposed area	Dimensions and area calculation	Approved drawing/tolerance
Cable/continuity	Cable identity, lead length and continuity	Cable schedule/ITP
Joint/seal	Visual and assembly-process verification	Approved construction detail
Identification	Tag and terminal-schedule reconciliation	Project tagging register

Documents available when included in the order

Product datasheet

Function, material, area, cable, seal and holder.

GA/detail drawing

Exposed surfaces, interfaces and dimensions.

Terminal schedule

Coupon/reference/structure connection map.

Inspection record

Material, area, continuity, seal and visual checks.

Installation information

Handling, placement and connection guidance.

Packing list

Assembly identity, tags and quantities.

Information required for quotation

- Monitoring objective, applicable CP standard and measurement method.
- Structure material, coupon material and required exposed area/tolerance.
- Cable type, number of leads, length, colors, tags and termination.
- Installation geometry, protection/holder and terminal connections.
- Quantity, inspection, documents, packing and destination.

IMPORTANT	Do not select or install cathodic-protection components from this public summary alone. The CP designer or responsible engineer must confirm service environment, design criteria, applicable standard edition, geometry, quantity, interfaces and acceptance tests.

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Product configuration and documentation support for international cathodic-protection procurement.