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# Corrosion testing

Nemko Norway





**Corrosion testing is critical to design, development, and service life of materials, components, and products. A few examples are LCD displays, metal, plastic and rubber.**

**Corrosion testing determines the resistance of material to corrosion and therefore degradation under certain environmental conditions, including temperature, humidity and salt exposure.**

Corrosion testing is commonly used to evaluate and check the following:




- Comparing and selecting appropriate materials
- Evaluating protective treatments
- Estimating the line of products
- Determining if material will meet its intended application

Nemko can provide guidance in identifying the appropriate set of standards and severity levels for your product.

Involve Nemko early in the process to avoid delay to market and excessive cost.

## Specifications

- Condensation humidity mode
  - Temperature range: ambient to +50°C/+122°F
  - Humidity range: fixed at 95% - 100% RH
- Salt spray mode
  - Temperature range: ambient to +50°C/+122°F
  - Salt fog fallout rate: adjustable from 0.5 to 3.0ml per 80cm<sup>2</sup> per hr
- Air drying mode:
  - Temperature range: adjustable from ambient to +70°C +158°F
- Chamber Capacity: 1000 liters
  - Width: 1350 mm
  - Depth: 980 mm
  - Height: 1320 mm

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