



Cathodic Disbondment Testing Machine

This equipment exposes the prepared samples to the test solution, uses the cathodic protection circuit to control the test potential, the corrosion and penetration of that sample coat under salt water are checked by a cathodic protection circuit, and then evaluates the performance of the coating under cathodic protection conditions.

The equipment consists of electrical control system, heating system, bubbling system, alarm system, human-computer interaction system, etc. The inner tank is welded with PP board, the outer shell is painted with sheet metal, and the upper cover is made of transparent plexiglass.

Standards compliant

ISO 15711: 2003



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INSTRUMENTS**



No 18, Xuwang Road, QingPu District Shanghai, China



+86 2159884839



info@moderner.com



B method sample rack



A method sample rack

Technical Specification

Name	Cathodic disbondment testing machine
Type	XD-035YJBL-A1
Studio size	Inner box size $1 \pm 0.02 \text{ m}^3$; W730mm×H650mm×D730m
Dimensions	W1270mm×H1200mm×D1000mm
Temperature	RT~40°C (RT 20°C~23°C)
Meter Resolution	Temperature: 0.1°C
Temperature Fluctuation	$\pm 0.5^\circ\text{C}$
Temperature Uniformity	$\leq 1.5^\circ\text{C}$
Circulating temperature control medium	Artificial seawater
Air blower	PP tube microporous bubbling
Heat Balance Method	Electric heating, PID+SCR balance adjustment control
Temperature Sensor	PT100
Measurement Accuracy	$\pm 0.1^\circ\text{C}$



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