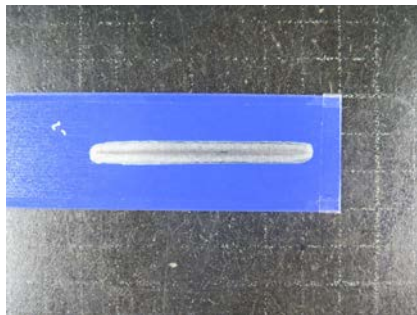


**For  
quickly checking  
of  
pre-treatment faults**

## **Cathodic Delaminator Model 602**



testing equipment for quality management

**ERICHSEN**  
since 1910

### **Technical Description**

**Used for the rapid  
corrosion testing of  
product quality and  
for frequently quality  
control of coated metals**

## Purpose and Application

Mechanical injury of organic coatings on metal cause the loss of corrosion protection. Known examples of the mechanical destruction of coatings are: stone impact on motor vehicles, transport and installation damage.

Corrosion will be affected by corrosion protection system. Particularly the preparation of the substrate surface before coating and the composition of the coating are important for corrosion protection systems.

The **Cathodic Delaminator, Model 602**, is used for rapid checking of product quality and frequently quality control of coated metals. The apparatus consists of a control unit and a temperature control vessel (immersion container) with 8 test receptacles and circulator. Each test vessel has its own constant current source. So you can use up to 8 specimen for testing, independently of each other.

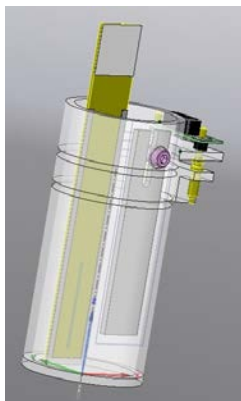


## Principle of the Test

Test instrument for examining the adhesion of coatings (coated metals). With a scratch tool (e.g. Scratching Tool acc. to van Laar, Model 426) the protective layer will be defined injured by a 5 cm long scratch, through to the metallic specimen. The specimen is placed in a test receptacle filled with electrolyte (0.5 N KOH) and will then be secured with an alligator clip.

The test will be started by a timer (test duration 30 min).

The infiltration of the coating can now be observed under the accelerated conditions.



After the test, the samples are rinsed with water and dried. The infiltrated surface coating will be removed with a knife or scalpel.

The cathodic delamination allows the determination of infiltration of the coating in the damaged area and erroneous pretreatments can be made visible (formation of bubbles during pinholes, scratches or stone impact).

## Technical Data

Dimensions (L x W x H)

Immersion test

container

approx. 700 x 350 x 352 mm

Supply unit

approx. 260 x 275 x 110 mm

Power supply

230 V AC, 50 Hz

**only for operating in IT**

**network with a residual**

**current circuit breaker 30mA**

Weight (net)

Supply unit

approx. 3 kg

Immersion container with

test receptacles

approx. 12.5 kg

Immersion container with

test receptacles and temperature

control vessel with circulation

approx. 16 kg

Heating period

Test receptacles

approx. 20 min.

Environment temperature

23 °C

Water temperature

20 °C

Heating period with

Immersion container

approx. 1.5 hours

Specimen dimensions approx. 15 x 3 cm (LxW)

Order Information	
Ord.-No.	Product-Description
0311.01.31	<b>Cathodic Delaminator, Model 602</b> Basic instrument consists of: control unit and temperature control vessel
<i>The scope of supply includes:</i> <ul style="list-style-type: none"><li>• 8 test receptacles</li><li>• Circulator</li><li>• Mains cable</li><li>• Manual</li></ul>	

The right of technical modification is reserved.

Gr. 21 - TBE 602 – II/2020