



# Corrosion Properties of Mineral Oil & Pipeline Cargoes ASTM D665, NACE TM0172

## CB10 – Automated Corrosion Bath

### Methods:

ASTM D665, D4378  
NACE TM0172  
IP135  
ISO 7120  
GOST 19199  
JIS K2510



- ▶ **2 independent test positions**
- ▶ **Automatic test specimen positioning**
- ▶ **Automatic water injection**
- ▶ **Automatic water reserve monitoring**
- ▶ **PT100 with embedded calibration data**
- ▶ **User friendly touch screen interface**
- ▶ **Dry bath**
- ▶ **Ideal with CT10 automatic Corrosion reader**

The CB10 revolutionizes corrosion testing by bringing unmatched automation and precision to the analysis of corrosion properties of mineral oils and pipeline cargoes.

The test preparation is simplified and the test can be run unattended simultaneously on two positions. Test timing, water injection volume, temperature and specimen insertion are precisely controlled.

Directly compatible with both ASTM & NACE test methods, the CB10 strictly follows the selected test method (ASTM D665, NACE TM0172, GOST 19199, JIS K2510, ...).

### **Applications**

Based on its flexibility, robustness, and reliability, the CB10 is designed for any type of application. Perfectly suited for inhibited mineral oil in the presence of water (according to ASTM D665); the CB10 is also ideal for pipeline cargoes (according to NACE TM0172) and for glycol applications.



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## Operation

Running a test with the CB10 is straightforward and very easy. The operator just has to:

- (1) pour the sample into the beaker
- (2) install the beaker and test specimen on the CB10
- (3) initiate the test

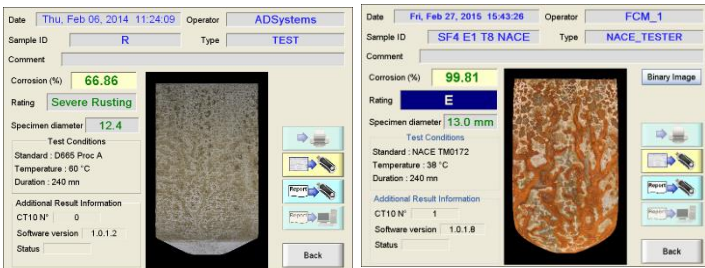


**The entire procedure is automated:** heating, stirring, insertion of test specimen, water injection. At the end of the test, the CB10 automatically lifts the test specimen in order to proceed with the rating.

## Rating

After the test, the rating of the test specimen can be done either:

- visually
- or with the **automated CT10 instrument for better accuracy.**



### The CT10 is the ideal companion of the CB10:

- Automatically measures the test specimen diameter according to the method verifying its conformity.
- Automatically measures the corrosion percentage, allowing quick, accurate and objective rating.

The CT10 reports the rating according to the selected method:

- D665 : light, moderate, severe
- NACE TM0172 : A, B++,B+, B, C, D, E



## Benefits

The CB10 is **the most reliable instrument** available. Both PT100s come with **embedded calibration data**. The instrument precisely controls all the test conditions: temperature, stirring speed, time, water volume injection. **Easy to use and fully automated**, the CB10 brings a **step forward in safety**.

Thanks to its complete automation, **two independent test positions**, direct menu access and simplified mounting, the CB10 **reduces the operation time**.

**Reduced operation time equals money!**

## Safety

Thanks to its direct drive low torque motors, if anything hangs to the stirrer shaft, the stirring will be stopped to prevent injuries.

### Ordering information

### Description

AA231-001	CB10 – Automated Corrosion Bath Delivered ready for operation
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### Technical specifications

### Description

Test methods	ASTM D665, D4378, NACE TM0172, IP135, JIS K2510, ISO 7120, GOST 19199
Temperature	Ambient to 80°C +/-1°C (programmable)
PT100	Embedded calibration data
Stirring	Up to 2000 rpm +/- 50 rpm (programmable)
Water injection volume	Up to 50 ml
Water reserve	Capacity: 1 L
Interface	7" full-color capacitive touch screen
Languages	English, French
Communication	USB (2), Ethernet (1)
Dimensions	440 x 415 x 630 mm (17" x 16" x 25")
Weight	22 kg (49 lbs)
Power supply	100/240 V – 50/60 Hz – 500W
Operating conditions	Temperature: from +10°C to +35 °C RH: 20% to 90% non-condensing

We reserve the right to alter specifications without notification

Your local distributor:



For additional information:

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