



Flow Time Measuring Instrument CUPTIMER 243 T



testing equipment for quality management



Technical Description

Opto-electronic Measuring Instrument for exact Determination of the Flow Time by using Standardized Flow Cups, for Viscosity Measurements

Design and Function

This opto-electronic measuring instrument offers a number of advantages to the user.

- ◆ Automatic measuring sequence with optical detection of the stream of sample.
- ◆ Flow times up to 1000 s can be read off from the LC display with a resolution up to 0.01 s.
- ◆ Equally suitable for all liquids (transparent calibration oils and opaque lacquers).
- ◆ Practical temperature adjustment:
Temperature jacket removable from the basic unit; with adaptors for different shapes of flow cups.
- ◆ Easy to handle:
One-button-operation.
- ◆ Designed as a mobile measuring station:
sturdy, compact stand construction mounted on an adjustable base; plug-type tube connections; operated via plug-in supply unit.

Technical Data

| | | |
|--------------|--------|--------|
| Dimensions: | Height | 310 mm |
| (basic unit) | Width | 200 mm |
| | Depth | 280 mm |

Weight, net: (basic unit) approx. 3 kg

Power supply / Plug-in supply unit:
 primary current: 230 V AC
 secondary current: 12 V DC, 100 mA

Power consumption: approx. 0.8 VA

LC Display: 4 digits, with automatic switch over between the ranges 99.99 s/ 999.9 s

Reference Class:

The CUPTIMER 243 T is supplied with a Manufacturer's Certificate M in accordance with DIN 55 350-18 that includes among others the following information:

Result of the function test, accuracy of the time measuring device, product identification, test equipments used with calibration status, date, name of inspector.

Start and stop function are checked by transparent and opaque material. The accuracy of the time measuring device is determined by means of a digital radio controlled clock.

| Order Information | |
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| Order No. | Product Name |
| 0177.01.31 | Flow Time Measuring Instrument CUPTIMER 243 T |
| <i>The scope of supply includes:</i> | |
| <ul style="list-style-type: none"> ◆ Plug-in supply unit ◆ Spherical level ◆ Adaptors for DIN, ASTM and ISO flow cups (also suitable for AFNOR cups) ◆ Glass plate 75 x 110 mm ◆ Temperature jacket ◆ Filling support stand (including 10 rubber caps to close the nozzle) ◆ Operating instructions | |
| 0177.02.31 | Flow Time Measuring Instrument CUPTIMER 243 T |
| <i>The scope of supply includes:</i> | |
| <ul style="list-style-type: none"> ◆ Plug-in supply unit ◆ Spherical level ◆ Operating instructions | |

| Accessories | |
|-------------|--|
| Order No. | Product Name |
| 0064.02.31 | Flow Cup acc. to DIN 53 211 (made of light metal) „REFERENCE CLASS“ orifice dia. 4 mm |
| 0060.01.31 | Ford Flow Cup No. 2 acc. to ASTM D 1200 (made of anodized Aluminium) „REFERENCE CLASS“ |
| 0060.02.31 | ditto, but No. 3 |
| 0060.03.31 | ditto, but No. 4 |
| 0061.01.31 | Flow Cup acc. to EN ISO 2431 (made of anodized Aluminium) „REFERENCE CLASS“ orifice dia. 3 mm |
| 0061.02.31 | ditto, but orifice dia. 4 mm |
| 0061.04.31 | ditto, but orifice dia. 5 mm |
| 0061.03.31 | ditto, but orifice dia. 6 mm |

The right of technical modifications is reserved.
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