

Flow Time measurement to determine viscosity



- Suitable for ISO, DIN, AFNOR & FORD cups
- Optical detection of (transparent) fluids
- 1 button operation, auto power-off
- Automatic flow and drop detection
- Easy to use, clean and maintain
- Dynamic light compensation
- Up to 999 seconds
- Available in several colours, default: titanium
- Portable, 4x1,5V battery (~1 year for daily use)
- Can be combined with third party thermal jacket or tripod



The Flow Timer can accurately and reproducibly measure the flow time of coats or paints through standardised cups in order to determine their viscosity. This device is used in the paint and coating industries.

Cups

The apparatus is designed for DIN, ISO, AFNOR & FORD cups, with or without the use of a (third party) thermal jacket. For other sizes, optional adapter rings can be used, which can be ordered separately. Please contact NeoTec for more information.

Operator friendly

Operating the Flow Timer is easy due to the 1-button interface.

Cleaning

Because the instrument can be used in an environment with oils, paints and coatings the design took into account the following points:

- All parts can be accessed easily;
- Easy to clean stainless steel button;
- Easy to clean sensor, leveller and display due to protective glass cover.

Features

The electronic Flow Timer has the following in-built functions:

- Optical / contact-less fluid detector;
- Fast response time, accurate, reproducible;
- Automatic start & stop with drip detection;
- Dynamic light compensation;
- 0-199.9s @0.1s resolution; 200-999s @1s resolution;
- Flow time comparison with previous measurement (press button again when activated);
- Automatic shut down after 5 minutes of inactivity.

Standards

- ASTM D 1200
- ASTM D 5125
- ISO 2431
- DIN 53211
- NFT030-014

Power efficiency

The device is very efficient and can run up to 1 year of daily use on 4x1,5V (alkaline) batteries.

Conformity

The Flow Timer is designed and built to meet current European CE and RoHS regulations.





Figure 1. Flow Timer in different colours

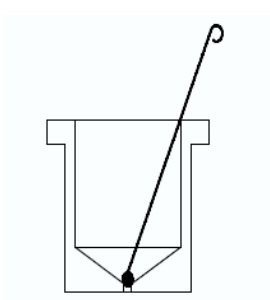


Figure 2. Cup with metal ball tool as an option



Display indications

The display can show the following indications:

Display state:	Meaning:
[]	Sleep mode
[XX.X]	Last measured time
[: --.-]	Timer overflow > 999s
[:]	Over exposure sensor
[LOBAT]	Battery power too low

Included for the Flow Timer test

- Portable Flow Timer kit (complete);
- Closing glass plate;
- Manual + instruction sheet;
- 4x 1.5V AA alkaline battery;
- Allen wrench 2mm for battery cover.

Optional

- Closing metal ball tools;
- Adapter rings for other cups are available on request.

Technical specifications

Power supply	[VDC]:	6V (4xAA)
Auto off time	[min.]:	5
Flow time and resolution	[seconds]:	0 to 199.9 @ 0.1s 200 to 999 @ 1s
Dimensions	[mm]:	300(W)x200(D)x400(H)
	[in]:	11.8(W)x7.9(D)x15.7(H)
Weight	[kg]:	1,5
	[lbs]:	3.3

Drain tray

Max. height [mm]	:	180	[in]:	7.1
Max. diameter [mm]	:	130	[in]:	5.1

Please contact NeoTec in case of any questions or inquiries.

[Click here for the product video](#)

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