

# Блоки флокуляции CARL ROTH ROTAVISC Complete, ET, Flocculator SW6, ULTRA-TURRAX

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# Flocculation units



## Rotational viscometer ROTAVISC Complete

IKA.

For determining the viscosity of liquids. 4.3" TFT display with intuitive menu guidance. Digital spirit level supports the correct set-up of the start-up condition. Five user-defined "ramp" profiles can be set. Accuracy for Newtonian and non-Newtonian liquids is  $\pm 1\%$  of the measuring range, the reproducibility is  $\pm 0.2\%$ . Speed is infinitely adjustable. Also with graph function. RS 232 and USB interface. Connection for external Pt 100 temperature measuring sensor.

### Technical specifications:

| Art. No.               | KHC5.1                                    | KHC6.1              |
|------------------------|-------------------------------------------|---------------------|
| Type                   | lo-vi Complete                            | me-vi Complete      |
| Measuring range        | 1-6,000,000 mPas                          | 100-40,000,000 mPas |
| Accuracy               | 1 %                                       |                     |
| Speed range            | 0.01 to 200 rpm                           |                     |
| Speed accuracy         | $\pm 0.01$ rpm                            |                     |
| Timer                  | 0.017 to 6000 min or continuous operation |                     |
| Temperature resolution | 0.1 K                                     |                     |
| Height-adjustability   | 200 mm                                    |                     |
| W x D x H              | 351 x 372 x 629 mm                        |                     |
| Weight                 | 7.1 kg                                    |                     |
| Mains connection       | 100–240 V, 50/60 Hz                       |                     |

### ROTAVISC lo-vi Complete

Viscosity measuring range of 1 to 6,000,000 mPa.s.

**Delivery incl.** standard spindle set (SP 1 to SP 4), protective bracket, temperature sensor, quick coupling, hook coupling and ROTASTAND stand.

| Type           | Art. No. | Pack Qty. |  |
|----------------|----------|-----------|--|
| lo-vi Complete | KHC5.1   | 1 unit(s) |  |

### ROTAVISC me-vi Complete

Viscosity measuring range of 100 to 40,000,000 mPa.s.

**Delivery incl.** standard spindle set (SP 7 to SP 12), protective bracket, temperature sensor, quick coupling, hook coupling and ROTASTAND stand.

| Type           | Art. No. | Pack Qty. |  |
|----------------|----------|-----------|--|
| me-vi Complete | KHC6.1   | 1 unit(s) |  |



## Flock tester ET-series

Tintometer.

For various applications, e.g. for testing the effectiveness of flocculants and precipitants.

### Technical specifications:

| Art. No.                  | YC36.1                             | YC37.1                                          | YC38.1             |
|---------------------------|------------------------------------|-------------------------------------------------|--------------------|
| Type                      | ET 730                             | ET 740                                          | ET 750             |
| Number of stirring points | 4                                  |                                                 | 6                  |
| Speed                     | 20-40-50-100-120 rpm               | 10–300 rpm                                      |                    |
| Timer                     | 0 to 30 min / continuous operation | 0 to 999 min / 0 to 99 h / continuous operation |                    |
| W x D x H                 | 250 x 320 x 250 mm                 | 645 x 347 x 260 mm                              | 935 x 347 x 260 mm |
| Weight                    | 4.9 kg                             | 13 kg                                           | 17 kg              |
| Mains connection          | 100–240 V, 50/60 Hz                |                                                 |                    |

### Model ET 730, analogue

- Accommodates 4 low form beakers up to 1000 ml in size
- Portable, for mobile use
- Stirring points are arranged in a circle around a lamp
- Switchable centre column light (OFF/ON)
- Speed and time adjustment by rotary knob
- Height adjustment of the stirrer blades during operation

**Delivery incl.** 12 V adapter (for the cigarette lighter) and mains adapter.

| Type   | Art. No. | Pack Qty. |  |
|--------|----------|-----------|--|
| ET 730 | YC36.1   | 1 unit(s) |  |

### Model ET-series, digital

- Accommodates 4/6 low or high form beakers up to 1000 ml in size
- Illuminated back panel for glare-free sample observation
- Switchable backlight (OFF/ON)
- Continuously variable stirring speed
- Digital rpm and timer display
- Height adjustment of the stirrer blades during operation

**Delivery incl.** mains adapter.

| Type   | Art. No. | Pack Qty. |  |
|--------|----------|-----------|--|
| ET 740 | YC37.1   | 1 unit(s) |  |
| ET 750 | YC38.1   | 1 unit(s) |  |



# Flocculation units



## Flocculation unit Flocculator SW6

Stuart.

For reproducible analysis of flocculation conditions during sewage water treatment.

- **For simultaneous treatment of six samples in beakers up to 1000 ml**
- Uniform adjustable stirring speed for similar conditions at all sampling areas
- Digital display of speed and running time
- **With timer function**  
An audible signal indicates the end of the set time and all stirring units are switched off. The timer then counts the minutes from when the stirrer blades stop.
- Height adjustment of the stainless steel stirrer blades during operation
- The device has an illuminated base and a black back wall for anti-glare and high-contrast sample monitoring
- **Memory function saves 2 combinations of rpm and time parameters**
- A set-up for simultaneous addition of reagents and flocculators is also available

### Technical specifications:

|                           |                                   |
|---------------------------|-----------------------------------|
| Art. No.                  | CA98.1                            |
| Type                      | SW6                               |
| Number of stirring points | 6                                 |
| Speed range               | 25 to 250 rpm                     |
| Timer function            | 0 to 99 mins/continuous operation |
| Performance               | 200 W                             |
| W x D x H                 | 750 x 210 x 460 mm                |
| Weight                    | 17 kg                             |
| Mains connection          | 230 V, 50 Hz                      |

Delivery without beakers, please order separately.

| Type | Art. No. | Pack Qty. |
|------|----------|-----------|
| SW6  | CA98.1   | 1 unit(s) |

## Accessories supply device for Flocculator SW6

Stuart.

| Designation   | Art. No. | Pack Qty. |
|---------------|----------|-----------|
| Supply device | CA99.1   | 1 unit(s) |



## Dispersion unit ULTRA-TURRAX® T 10 basic

IKA.

For use and hand-held or floor-mounted device.

- **For volumes from 0.5 to 100 ml**
- Continuous speed adjustment
- Quick-release coupling for easy dispenser tool changing
- Plastic disposable dispersion tools for PCR analysis available (please contact our sales department)

### Technical specifications:

|                    |                          |
|--------------------|--------------------------|
| Art. No.           | EH01.1                   |
| Type               | T 10 basic ULTRA-TURRAX® |
| Motor power input  | 125 W                    |
| Motor power output | 75 W                     |
| Speed range        | 8000 to 30000 rpm        |
| Speed display      | Scale                    |
| W x D x H          | 56 x 66 x 178 mm         |
| Weight             | 0.5 kg                   |

Delivery incl. storage box and arm lever R 200. Please order dispersion tool, sleeve and stand separately.

| Type                     | Art. No. | Pack Qty. |
|--------------------------|----------|-----------|
| T 10 basic ULTRA-TURRAX® | EH01.1   | 1 unit(s) |

## Dispersion tool ULTRA-TURRAX® for T 10 basic

IKA.

Made of stainless steel. Tool change and dismantling for cleaning purposes without additional tool.

### Technical specifications:

| Art. No.                           | EH03.1          | EH02.1       | EH04.1        |
|------------------------------------|-----------------|--------------|---------------|
| Type                               | S 10 N - 8 G    | S 10 N - 5 G | S 10 N - 10 G |
| Working range                      | 1 to 50 ml      | 0.5 to 10 ml | 1 to 100 ml   |
| Ø Stator                           | 8 mm            | 5 mm         | 10 mm         |
| Ø Rotor                            | 6.1 mm          | 3.8 mm       | 7.6 mm        |
| Gap width between stator and rotor | 0.25 mm         | 0.1 mm       | 0.2 mm        |
| Immersion depth                    | 20–95 mm        | 20–75 mm     | 20–100 mm     |
| Materials in contact with product  | PTFE, AISI 316L |              |               |
| Temperature range                  | to +180 °C      |              |               |
| Approx. emulsion fineness          | 1–10 µm         |              |               |
| Approx. suspension fineness        | 5–25 µm         |              |               |

| Type          | Art. No. | Pack Qty. |
|---------------|----------|-----------|
| S 10 N - 8 G  | EH03.1   | 1 unit(s) |
| S 10 N - 5 G  | EH02.1   | 1 unit(s) |
| S 10 N - 10 G | EH04.1   | 1 unit(s) |

## Accessories for dispenser T 10 basic

IKA.

### Small stand R 104

W 242 x T 355 mm, rod Ø 10 mm, stand rod height 370 mm

| Designation       | Art. No. | Pack Qty. |
|-------------------|----------|-----------|
| Small stand R 104 | EH05.1   | 1 unit(s) |

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