

# Precise measuring instruments for viscosity and surface science

**Product range 2024 / 2025**

Version 2024-04-01

## Automatic sample preparation

**Precise data. Constant values.**

## Automatic sample preparation

In combination with XPR-type laboratory balances, we offer a flexible weighing and dosing method for preparing samples for viscometry. The PC-controlled system accelerates and improves the weighing and dosing process considerably. Moreover, the automatic process provides a higher safety standard for the user. Some of the previously manual work steps are completely eliminated. The simple handling requires no special technical knowledge from the lab personnel. The weighing and dosing system operates reliably and with high precision. Since the solvent dosing takes place in a closed system, the personnel benefits from a much lower exposure to dangerous solvent fumes or even direct contact at their workplaces. This allows a significantly higher sample throughput at an impressive high quality and security level.

### Included accessories:

- || 1x MT burette dosing unit for 1 solvent
- || 1x replaceable burette 20 ml
- || 1x RS 232 interface box with power adapter
- || Weighing balance MT XPR 20x with dosing attachment and software module
- || Software for embedding in viscometry measuring program



Image shows  
2 solvents version

**LMVZ977**

### Special Features:

- || High-quality XPR balance and special software module for gravimetric or volumetric dosing
- || No influence on the solvent temperature. Pre-tempering is not necessary
- || Direct data transfer of concentration and initial weight to the PVS software
- || User navigation via high-resolution display on the balance
- || Input of sample data via PC or barcode reader
- || Multiple solvents can be added for different sample types

### Expansion modules for second solvent

#### **EBK 016** MT burette dosing unit

For titration

#### **EBK 017-1** Burette top part

For dosing unit, 20 ml

### Software control and balance mounting set

#### **LMVZ979** Sample preparation upgrade kit

Only to be ordered when Mettler balance XPR 20x and Mettler dosing unit with top part already are used or will be purchased by the customer separately. Upgrade kit incl. software, balance mounting set and control interface and cables



**LMVZ979**

## General accessories for viscosity



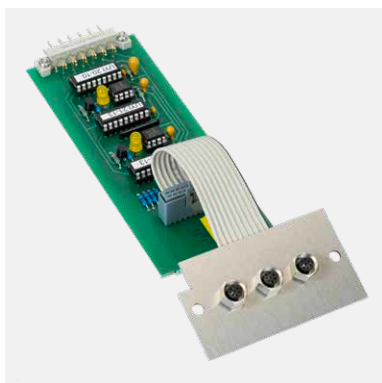
EG 094 | EG 062 | EG 066



EDF 093



EZV 100 | EZV 104 | EZ 165



LMVZ930

### Sample preparation

#### 30 ml flasks

##### **EG 066** Sample bottle 30 ml

With 24 mm thread, for PG 30

##### **EZV 104** Connection screw cap with hole

White, for sample bottle (EG 066)

##### **EDF 124** Sealing rings

For connection screw cap (EZV 104), 50 units

##### **EDF 092** Small aluminum plates

For sample bottle (EG 066), 1,000 units

#### 50 ml flasks

##### **EG 062** Sample bottle GL 32, 50 ml

For PG 50

##### **EZV 100** Connection screw cap with hole

Red, GL 32, for sample bottle (EG 062)

##### **EZV 141** Screw cap GL 32

PTFE coated, red, for sample bottle (EG 062)

##### **EDF 122** Sealing rings

For connection screw cap (EZV 100), 50 units

##### **EDF 093** Small aluminum plates

For sample bottle (EG 062), 1,000 units

#### 100 ml flasks

##### **EG 094** Sample bottle GL 45, 100 ml

For PG 100

##### **EZ 165** Connection screw cap with hole

Red, GL 45, for sample bottle (EG 094)

##### **EDF 097** Small aluminum plates

For sample bottle (EG 094), 1,000 units

##### **EBK 010** Multi-place magnetic stirrer RT 35

Not heated, 35 positions, for 50 ml sample bottle (EG 062)

##### **EBK 013** Magnetic stirrer block MRH 15

Heated, 15 positions, for 50 ml sample bottle (EG 062)

##### **EZ 195** PTFE stirrer

Small, 5x 25 mm

### Upgrade PVS box

##### **LMVZ930** 2-place plug-in unit ME 2

For additional 2 measuring stands and one additional VRM module



## General accessories for viscosity

### Particle separation

**LMVZ958 Insert filter for EG 062 (50 ml)**

Incl. 100 units filter plates (EZ 209)

**LMVZ988 Insert filter for EG 094 (100 ml)**

Incl. adapter (HKF 048) and 100 units filter plates (EZ 209)

**HKF 048 Adapter for insert filter (LMVZ988)**

For 100ml flasks

**EZ 209 Filter plates**

Mw. 0.077 for insert filter (LMVZ958), 100 units

**EZ 209-2 Filter plates**

Mw. 0.01 for insert filter (LMVZ958), 100 units



**LMVZ958**

### Dosing and sample handling

**EG 060 Glass funnel**

For easy and clean sample handling

**UD 410 Filter inserts for glass funnel (EG 060)**

Stainless steel, 20 units, 0.03 mm

**HX 615 Funnel for plastic pellets**

PVDF

**EGP 012 Disposable syringe**

20 ml, 100 units, PE / PP

**EGZ 015 Steel needles for disposable syringe (EGP 012)**

Stainless steel, 100 units

**EGZ 019 Glass syringe**

For applying polymer samples



**EGP 012 | EGZ 015**

### Waste and reservoir bottles

**LMRZ931 Set of flasks and tubings 15**

5x flasks DURAN (1x 2 liter, 4x 1 liter), 3x stopper with tubings

**LMRZ930 Set of flasks and tubings 24**

6x flasks DURAN (1x 5 liter, 2x 2 liter, 3x 1 liter), 3x stopper with tubings

**LMRZ907 Stopper with tubings**



**LMRZ931**



**LMRZ907**





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