



Viscosity Test Cups - Messbecher

opti-color
Mess- und Regel-
anlagen GmbH

Technology & Solutions
for Fluid Control,
Supply and Evaluation

Viscosity Measuring & Control:

- ViscoStar falling ball sets
- OBD/OB2 rotating systems
- Test cups (e.g. DIN, ISO)
- UVC/VisO controls & units
- oc-4000 software
- ViscoLab measuring units

Coating Control & Technology:

- MCS conditioning systems
- Heating and cooling units
- Can/LCx coating control
- Multi-Tank systems
- TC TopControl systems

Pump-Systems & Stirrers:

- Rotational ink pumps
- Diaphragm, peristaltic and special pump solutions
- Stainless steel tanks and constructions
- Stirrers (air & electrical)

Cleaning Solutions & Products:

- ACS water recycling units
- ARMEX blasting media
- Spray and washing cabins

and more ...:

- oc-Blending systems
- Coating baths / supply
- Temperature control sets
- Level control systems
- pH metering and control
- Snaplock sets / couplings
- Filters and filter bags
- Hofpartner Liongrip/Lifts
- Montalvo tension control

**opti-color Mess- und
Regelanlagen GmbH**

Vor dem Dorf 2
D-31162 Bad Salzdetfurth
Germany

Tel: +49 (0) 5064 / 8077
E-Mail: info@opti-color.de
Home: www.opti-color.de



opti-color Test-Cups Standard for Viscosity Measurement

Testcups are used in many applications as standard for viscosity check and indications by easy to operate tests.

opti-color supplies test cups conform to different international standards for use in production, quality control of incoming liquids and labs. These quality cups are also often a base for corresponding automatic opti-color VC controls.

- opti-color direct-dip cups with inner layout corresponding to DIN 53211 or ISO 2431 with nozzles 2 - 8 mm
- Test cups corresponding to FORD and ZAHN standard with different nozzle sizes
- ISO 2431 and DIN 53211 standard cups with overflow brim for use in tripods as done e.g. in labs
- and more

opti-color Messbecher Standard der Viskositätsmessung

Messbecher werden in vielen Aufgabenbereichen als Basis für zur Viskositätsbestimmung eingesetzt.

opti-color liefert Messbecher nach verschiedenen, internationalen Normen für die Anwendung in Produktion, Labor und z.B. zur Kontrolle bei Wareneingang von Flüssigkeiten. Abgleich für Regler sind ebenfalls möglich.

- oc-Tauchauslaufbecher, Form nach DIN 53211 oder ISO 2431 mit Düsenbereich 2 - 8 mm
- Tauchauslaufbecher gem. FORD und ZAHN Standards mit genormten Düsengrößen
- ISO 2431 und DIN 53211 Messbecher mit Überlauftrand für Stativ-einsatz z.B. im Labor
- u.v.m.

On request: Universal or individual certificates and confirmations of details for cups made by opti-color

Auf Anfrage: Individuelle oder serienbezogene Zertifikate und Bestätigungen zu opti-color Bechern

Becher / Cup	Nozzles / Düsen	Viskositäts-Bereich (cSt) / Viscosity range (cSt)	Werkstoff (Becher - Düse) / Material (Cup - Nozzle)	Bemerkungen / Notes
oc-DIN Cup DIN 53211 (*)	Standard: 4 Option: 2, 3, 5, 6, 8	#4: 100 - 500 (20 - 110 sec.)	Aluminium - Messing / Aluminium - Brass Option (Düse/nozzle): Edelstahl / Stainless Steel	(*) Innenform, Zeiten entsprechend Norm / Inner design and times refer to standard (**) für Stativeinsatz / for tripod-usage
DIN Cup (**)	Standard: 4	#4: 100 - 500 (20 - 110 sec.)		
FORD Cup ASTM D 1200	2, 3, 4, 5, 6, 8	#3: 40 - 210 (25 - 100 sec.) #4: 70 - 350 (20 - 100 sec.)	Aluminium - Messing / Aluminium - Brass Option (Düse/nozzle) Edelstahl / Stainless Steel	
ZAHN Cup ASTM D 1084	1, 2, 3, 4, 5,	#2: 30 - 170 (22 - 60 sec.) #3: 170 - 600 (22 - 60 sec.) #4: 200 - 900 (20 - 65 sec.) #5: 300 - 1200 (15 - 60 sec.)	Edelstahl / Stainless Steel	incl. Typenschild und ID incl. type plate and ID
ISO Cup DIN EN ISO 2431	2, 3, 4, 5, 6, 8	#3: 10 - 42 (30 - 100 sec.) #4: 25 - 135 (25 - 100 sec.) #6: 125 - 700 (20 - 100 sec.)	Aluminium - Messing / Aluminium - Brass Option (Düse/nozzle): Edelstahl / Stainless Steel	für Stativeinsatz / for tripod-usage Option: incl. Haltegriff Option: incl. handle
... and more	... oc-Sonderbecher für Schlichte / special cups for refractory coatings ... Stative für Labormessbecher / Tripods for lab-cups with overflow ... Kalibrieröle zur Justierung / calibration oils for adjustments and checks			Auf Anfrage verfügbar / Available on request



FORD No. 4
cup with handle



oc-DIN 4 mm
cup with handle



oc-ISO 4 mm
cup with handle



DIN 53211 - 4 mm
cup with tripod



... and brushes for
nozzle cleaning

cSt	FORD 4	ISO 3	ISO 4	ISO 6	DIN 4	Zahn 2
100	30.5	227.7	74.9	16.9	25.7	42.6
90	27.9	205.4	67.8	15.7	23.8	39.7
80	25.3	183.1	60.8	14.5	22.0	36.9
70	22.7	160.8	53.8	13.3	20.2	34.0
60	20.1	138.7	46.9	12.1	18.5	31.1
50	17.5	116.7	40.1	11.0	16.8	28.2
40	15.0	94.6	33.3	10.0	15.1	25.3
30	12.5	72.5	26.5	9.0	13.4	22.4
25	10.0	50.4	19.7	8.0	11.7	19.5
20	7.5	28.3	12.9	7.0	10.0	16.6
15	5.0	6.2	6.2	6.0	8.3	13.7
10	2.5	1.6	1.6	5.0	6.7	10.8
5	1.2	0.8	0.8	4.0	5.1	7.9
1	0.2	0.2	0.2	3.0	3.5	5.0

cSt	ISO 6	DIN 4	Zahn 2
400	108.4	903.4	292.4
350	95.4	780.6	256.0
300	82.4	677.9	219.6
250	69.4	565.1	183.3
200	56.4	452.5	147.0
150	43.5	339.9	110.8
100	30.5	227.7	74.9

More? - ViscoLab units and online
VC systems, conversion charts ...
... ask us, we will help.

Mehr? - ViscoLab Geräte und Online-
Systeme, Messbecher-Tabellen ...
... fragen Sie uns, wir helfen gern



**opti-color Mess- und
Regelanlagen GmbH**
Vor dem Dorf 2
D-31162 Bad Salzdetfurth
Germany

Tel: +49 (0) 5064 / 8077
E-Mail: info@opti-color.de
Home: www.opti-color.de

Distributor / Contact:



Information is based on standards of 03/2024, errors and omissions excepted!
Pictures partly show systems/parts incl. options and may vary from effective
supplies. (*): Function/feature is an option, no part of standard systems.

