

CANNON® ZEITFUCHS VISCOMETERS



9723-A50 Series
9723-B50 Series

ZEITFUCHS® TRANSPARENT VISCOMETERS

With permanently attached round metal holder

Calibrated ZTC-RO Series

For measurement of kinematic viscosity of transparent Newtonian liquids according to ASTM D 445 and ISO 3104. Specifications conform to ASTM D 446 and ISO 3105. Filling, measurement, and cleaning can be done without removal from constant temperature bath.

Certificate of calibration and instruction sheet provided. See page 2 for expanded uncertainty.

- Minimum sample volume 15 mL. Require liquid bath depth of 292 mm (11.5 inches).
- For constants and ranges, see table at right.
- Manufactured with permanently attached round metal holder, for hole 51 mm (2 inches) in diameter.

Uncalibrated ZTU-RO Series

Similar to 9723-B50 series, but uncalibrated.



9723-C50 Series
9723-D50 Series

With permanently attached rectangular metal holder

Calibrated ZTC-RE Series

For measurement of kinematic viscosity of transparent Newtonian liquids according to ASTM D 445 and ISO 3104. Specifications conform to ASTM D 446 and ISO 3105. Filling, measurement, and cleaning can be done without removal from constant temperature bath.

Provided with certificate of calibration and instruction sheet. See page 2 for expanded uncertainty.

- Minimum sample volume 15 mL. Require liquid bath depth of 292 mm (11.5 inches).
- For constants and ranges, see table (above right).
- Manufactured with permanently attached rectangular metal holder which requires a bath opening of 25 x 48 mm (1 x 1.9 inches).

Calibrated ZTU-RE Series

Similar to 9723-D50 series, but uncalibrated.

Specifications for Zeitfuchs® Transparent* & Zeitfuchs® Cross-Arm Viscometers

Size	Approximate constant, cSt/s	Viscosity, cSt†
1	0.003	0.6 to 3
2	0.01	2 to 10
3	0.03	6 to 30
4	0.1	20 to 100
5	0.3	60 to 300
6	1.0	200 to 1000
7	3.0	600 to 3000
8	10	2000 to 10 000
9	30	6000 to 30 000
10	100	20 000 to 100 000

* Zeitfuchs Transparent viscometers are available only in sizes 1 through 7.

† Ranges in centistokes represent flow times of 200 to 1000 seconds.

Size	Uncalibrated ZTU-RO Series	Calibrated ZTC-RO Series
1	9723-A50	9723-B50
2	9723-A55	9723-B55
3	9723-A60	9723-B60
4	9723-A65	9723-B65
5	9723-A70	9723-B70
6	9723-A75	9723-B75
7	9723-A80	9723-B80

Size	Uncalibrated ZTU-RE Series	Calibrated ZTC-RE Series
1	9723-C50	9723-D50
2	9723-C55	9723-D55
3	9723-C60	9723-D60
4	9723-C65	9723-D65
5	9723-C70	9723-D70
6	9723-C75	9723-D75
7	9723-C80	9723-D80

CANNON® ZEITFUCHS CROSS-ARM VISCOMETERS



9723-S50 Series
9723-U50 Series

CALIBRATED ZEITFUCHS® CROSS-ARM VISCOMETERS

For measurement of kinematic viscosity of transparent and opaque Newtonian liquids according to ASTM D 445 and ISO 3104. Specifications conform to ASTM D 446 and ISO 3105. Also used to measure kinematic viscosity of liquid (cutback) asphalts and road oils at 60°C (140°F) and asphalt cements at 135°C (275°F) in the range of 30 to 6000 centistokes according to ASTM D 2170. Can be filled and cleaned while in constant temperature bath.

- Minimum sample volume 1 to 3 mL. Require liquid bath depth of 230 mm (9 inches).
- Constants and ranges are as described in table on page 9.
- All instruments calibrated. Certificate of calibration and instruction sheet provided. See page 2 for expanded uncertainty. Offered with and without holder as described below.

ZCAC Series

As described above. Without holder.

- For holder, see 9726-M95 and -M98 on page 15.

Unity Factor ZCAXC Series

Similar to 9723-S50 series, but have constant within $\pm 0.2\%$ of values listed in table on page 9.

- For holder, see 9726-M95 and -M98 on page 15.

With permanently attached round metal holder

ZCAC-RO Series

As described above. Supplied with permanently attached round metal holder, for hole 51 mm (2 inches) in diameter.

Unity Factor ZCAXC-RO Series

Similar to 9723-W50 series, but have constant which is within $\pm 0.2\%$ of values listed in table on page 9.

With permanently attached rectangular metal holder

ZCAC-RE Series

As described above. Supplied with permanently attached rectangular metal holder which requires bath opening 25 x 48 mm (1 x 1.9 inches).

Unity Factor ZCAXC-RE Series

Similar to 9724-B50 series, but have constant within $\pm 0.2\%$ of value listed in table on page 9.



9723-W50 Series
9723-Y50 Series
9724-B50 Series
9724-D50 Series

Size	ZCAC Series	ZCAXC Series Unity Factor
1	9723-S50	9723-U50
2	9723-S53	9723-U53
3	9723-S56	9723-U56
4	9723-S59	9723-U59
5	9723-S62	9723-U62
6	9723-S65	9723-U65
7	9723-S68	9723-U68
8	9723-S71	9723-U71
9	9723-S74	9723-U74
10	9723-S77	9723-U77

Size	ZCAC-RO Series	Unity Factor ZCAXC-RO Series
1	9723-W50	9723-Y50
2	9723-W53	9723-Y53
3	9723-W56	9723-Y56
4	9723-W59	9723-Y59
5	9723-W62	9723-Y62
6	9723-W65	9723-Y65
7	9723-W68	9723-Y68
8	9723-W71	9723-Y71
9	9723-W74	9723-Y74
10	9723-W77	9723-Y77

Size	ZCAC-RE Series	Unity Factor ZCAXC-RE Series
1	9724-B50	9724-D50
2	9724-B53	9724-D53
3	9724-B56	9724-D56
4	9724-B59	9724-D59
5	9724-B62	9724-D62
6	9724-B65	9724-D65
7	9724-B68	9724-D68
8	9724-B71	9724-D71
9	9724-B74	9724-D74
10	9724-B77	9724-D77