

# Handheld viscometer TMVM 1

## Reduce costly and time consuming laboratory analyses

The SKF viscometer TMVM 1 is a handheld rotational viscometer for quick and reliable viscosity measurements of lubrication oils and hydraulic fluids. It is suitable for both quantitative and qualitative measurements.

The TMVM 1 is a first check device for carrying out on-site measurements. Regular viscosity checks help provide timely information regarding oil condition, which can have an effect on lubrication and machine performance.



- Compact light-weight design and portability of the viscometer make it an essential device for field service engineers and other field operators
- Supplied standard with a rotor suitable for viscosity range between 30 and 1300 mPas covering the viscosity range relating to the greater majority of lubrication oils
- Ergonomic design makes it easy to operate with one hand
- Direct read out eliminates the need for further complex laborious calculations
- Use of supplied measuring cup helps ensure reproducible measuring conditions for accurate measurements
- Excellent repeatability allowing reliable trending of oil condition
- Recalibration message displayed on the viscometer allows timely recalibration
- Alternative rotors available as accessories make viscosity measurement of other fluids possible
- Battery (4 x AA alkaline) operated, does not require a mains electrical supply therefore a convenient instrument for field tests
- Supplied in a sturdy carrying case for ease of portability

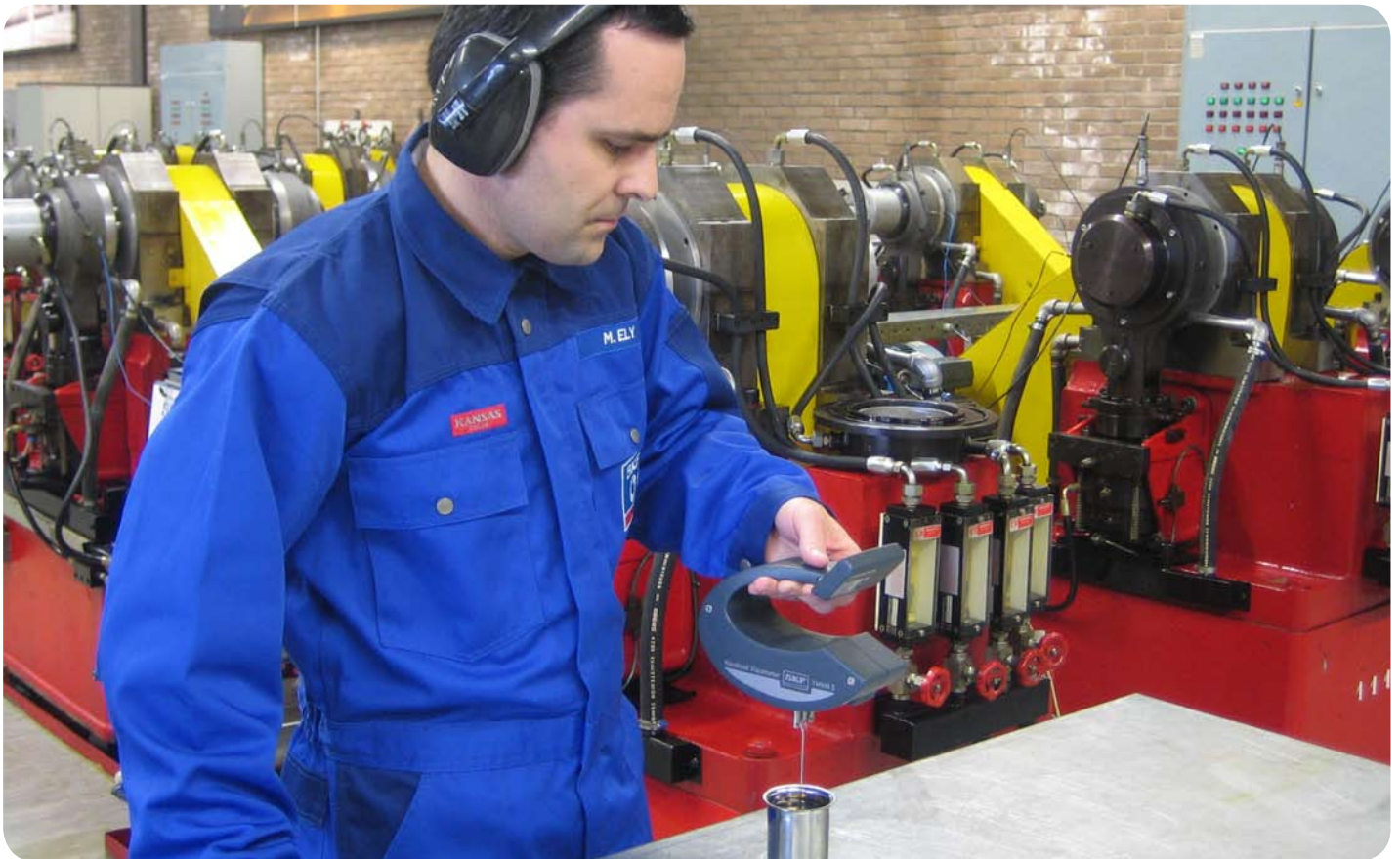


### Technical data

Designation	TMVM 1
Description	Handheld viscometer
Dynamic viscosity range (mPas)	30-1300 with Rotor 3 (30-400.000 using optional rotors)
Motor rated voltage	4.0 VDC
Motor rated speed	62.5 rpm
Rotor supplied	R3
Repeatability	< 1 % of total range
Accuracy	± 3 % of total range with supplied rotor R3
Operating temperature	10 °C – 40 °C (50 °F-104 °F)
Oil sample volume	Approx. 150 ml (5.1 US fl.oz)
Viscometer dimension (w x d x h)	175 x 88 x 170 mm (6.8 x 3.4 x 6.6 in)
Rotor dimension	D=45.1 mm (1.7 in) h=47 mm (1.8 in)
Rotor material	Stainless steel
Measuring cup dimension	D=52.6 mm (2.0 in) h=75 mm (2.9 in)
Measuring cup material	Stainless steel
Battery	4 x AA (IEC type LR06) alkaline
Total weight (including case)	2.0 kg (4.4 lbs)
Packaging	Sturdy carrying case
Certificate of calibration	Yes



# Handheld viscometer TMVM 1



© SKF is a registered trademark of the SKF Group  
© SKF Group 2009

The contents of this publication are the copyright of the publisher and may not be reproduced (even extracts) unless prior written permission is granted. Every care has been taken to ensure the accuracy of the information contained in this publication but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

MP/PDS TMVM1 EN • October 2009

[www.mapro.skf.com](http://www.mapro.skf.com) • [skf.com/mount](http://skf.com/mount) • [skf.com/lubrication](http://skf.com/lubrication)

