







Basic Condition Monitoring



SKF Product Data Sheet

Endoscope TMES series

Easy, cost effective inspection in restricted spaces

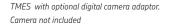
The SKF TMES series are compact, lightweight endoscopes that can be used for effective visual inspection of machinery in restricted spaces. The SKF TMES series includes two endoscopes: TMES 1 (Basic) and TMES 2 (Advanced). Equipped with a built-in variable light source and a long flexible fibre optic tube they are suited to many industrial applications.



- Compact, lightweight design makes the endoscope really portable
- High quality optics allow good image resolution for diagnostic purposes
- Long fibre optic tube with small diameter enables access almost anywhere
- Fully flexible fibre optic tube with a 40 mm (1.6 in) bending radius allows use in applications with tight corners
- Water resistant flexible tube can be used in applications where moisture is present
- Built-in battery powered light source can be adjusted to help prevent over illumination of the application
- Length of handle can be reduced for use in areas with limited space
- Straight view allows the image at the tip to be directly seen without having to make time-consuming adjustments
- Wide field of view offers an excellent viewing range for restricted space applications
- Easy to assemble and use, thus special training is not required
- Digital camera adapter is available as an accessory in order to record results for report writing or sending image on for diagnostics











Technical data

TMES 1 TMES 2 Designation Endoscope

Acrylic

3 500

35 µm

Description

Fibre

Fibre material Number of pixels Fibre stand diameter

Allowable ratio of fibre breakage

Cord

Fibre material

Minimum bending radius Tube length

Tube diameter Light source

Light type Power supply

Optical data Focal direction Angle of view Focal length

Water resistance

Working temperature range Weight (case and contents) Measurements (case size)

2% maximum

SUS304 coated with PVC R 40 mm 1 metre (3,3 ft) 8mm (0,3 in)

3,5V 0,7A 2,55W 3x C (LR 14) batteries

straight 60°

10 mm (0,39 in) - ∞ (fixed focus)

Objective lens and fibre image tube is water resistant at an atmospheric pressure between 1 and 1,3 bar. Eye piece is not waterproof.

-20°C to 60°C (-4°F to 140°F)

1135 g (2,5 lbs)

360 x 270 x 80 mm (14,1 x 10,6 x 3,1 in)

Endoscope

Acrylic 7 400 13 µm

0,5% maximum

SUS304 coated with PVC

R 40 mm 3 metres (9,9 ft) 5 mm (0,2 in)

3,5V 0,7A 2,55W 3x C (LR 14) batteries

straight

55°

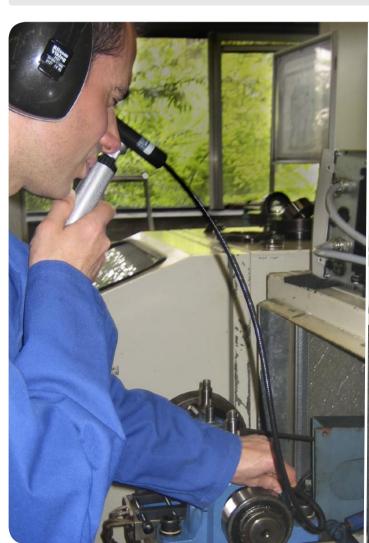
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1135 g (2,5 lbs)

360 x 270 x 80 mm (14,1 x 10,6 x 3,1 in)







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