

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



*TMES with optional digital camera adaptor.
Camera not included*



 Not for medical applications



Technical data

	TMES 1	TMES 2
Designation	TMES 1	TMES 2
Description	Endoscope	Endoscope
Fibre		
Fibre material	Acrylic	Acrylic
Number of pixels	3 500	7 400
Fibre stand diameter	35 µm	13 µm
Allowable ratio of fibre breakage	2% maximum	0,5% maximum
Cord		
Fibre material	SUS304 coated with PVC	SUS304 coated with PVC
Minimum bending radius	R 40 mm	R 40 mm
Tube length	1 metre (3,3 ft)	3 metres (9,9 ft)
Tube diameter	8mm (0,3 in)	5 mm (0,2 in)
Light source		
Light type	3,5V 0,7A 2,55W	3,5V 0,7A 2,55W
Power supply	3x C (LR 14) batteries	3x C (LR 14) batteries
Optical data		
Focal direction	straight	straight
Angle of view	60°	55°
Focal length	10 mm (0,39 in) - ∞ (fixed focus)	10 mm (0,39 in) - ∞ (fixed focus)
Water resistance		
	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)	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)
Working temperature range		
Weight (case and contents)	1135 g (2,5 lbs)	1135 g (2,5 lbs)
Measurements (case size)	360 x 270 x 80 mm (14,1 x 10,6 x 3,1 in)	360 x 270 x 80 mm (14,1 x 10,6 x 3,1 in)

