

Fast and easy inspection with video function

SKF Endoscopes TKES 10 series

SKF Endoscopes are first line inspection tools that can be used for internal inspection of machinery. They help minimise the need to disassemble machinery for inspection, saving time and money. The compact display unit, with 3.5" backlit screen, allows images and video to be saved and recalled, or to be downloaded and shared with others. Three different models cater to most needs and are equipped with powerful variable LED lighting allowing inspections in dark locations.

- High resolution miniature camera, with up to 2x digital zoom, gives a clear and sharp full screen image.
- Available with a 1 metre (3.3 ft) insertion tube in three different variants; flexible, semi-rigid or with an articulating tip.
- Small tip diameter of 5,8 mm (0.23 in.), with a wide field of view, allows easy access to most applications.
- Supplied with a side view adapter allowing inspection of applications such as pipe walls.
- Powerful magnets, and a tripod mount on the back of the display unit, allow the display unit to be used "hands free".
- Up to 50 000 photos or 120 minutes of video can be stored on the SD memory card supplied.
- Longer flexible and semi-rigid insertion tubes are available as accessories.
- Supplied in a sturdy carrying case complete with all necessary cables, universal mains charger and cleaning kit.



Technical data



Designation	TKES 10F	TKES 10S	TKES 10A
Insertion Tube & Light Source	Flexible tube	Semi-rigid tube	Tube with an articulating tip
Image Sensor	CMOS Image Sensor	CMOS Image Sensor	CMOS Image Sensor
Resolution (H × V)			
– Still Image (static)	640 × 480 pixels	640 × 480 pixels	320 × 240 pixels
– Video (dynamic)	320 × 240 pixels	320 × 240 pixels	320 × 240 pixels
Size Tip (Insertion Tube) Diameter	5,8 mm (0.23 in.)	5,8 mm (0.23 in.)	5,8 mm (0.23 in.)
Tube length	1 m (39.4 in.)	1 m (39.4 in.)	1 m (39.4 in.)
Field of View	67°	67°	55°
Depth of Field	1,5–6 cm (0.6–2.4 in.)	1,5–6 cm (0.6–2.4 in.)	2–6 cm (0.8–2.4 in.)
Light Source	4 White adjustable LED (0–275 Lux/4 cm)	4 White adjustable LED (0–275 Lux/4 cm)	4 White adjustable LED (0–275 Lux/4 cm)
Probe Working Temperature	–20 to +60 °C (–4 to +140 °F)	–20 to +60 °C (–4 to +140 °F)	–20 to +60 °C (–4 to +140 °F)
Ingress Protection Level	IP 67	IP 67	IP 67



Display Unit

Power	5 V DC
Display	3.5" TFT LCD Monitor 320 × 240 pixels
Interface	Mini USB 1.1 / AV out / AV in/
Battery (not user serviceable)	Rechargeable Li-Polymer Battery (3.7 V). Typically 4 hours operation after a 2 hour charge.
Video Out Format	NTSC & PAL
Recording medium	SD card 2 GB supplied – storage capacity ±50 000 photos, or 120 minutes video. (SD/SDHC Cards up to 32 GB can be used)
Output resolution (H × V)	
– Still Image (JPEG)	640 × 480 pixels
– Video recording format (ASF)	320 × 240 pixels
Temperature range	
– Working & Storage	–20 to +60 °C (–4 to +140 °F)
– Battery charging temperature range	0 to 40 °C (32 to 104 °F)
Functions	Snapshot, Video recording, Picture & video review on LCD screen, TV Out, transfer of picture & video from SD card to PC

© SKF is a registered trademark of the SKF Group.

© SKF Group 2013

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.

PUB MP/P8 12209 EN · December 2013

