

## 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 VDC
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 (3.7V). 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