

# SKF TKES 10A

## Video endoscope with articulated tip



The SKF Endoscope TKES 10A is a first line visual inspection tool to examine the internals of your machinery. It helps to reduce the need to disassemble machinery for inspection, saving time and money. The compact display unit, with 3.5 inch backlit screen, allows images and video to be saved for reporting and sharing with others. This model features an articulated tip with powerful variable LED lighting that can be controlled from the display unit, allowing inspections in dark and difficult to reach locations.

- High resolution miniature camera, with up to 2× digital zoom, gives a clear and sharp full screen image
- Supplied with a 1 m (3.3 ft) insertion tube 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 and ready-to-use with all necessary cables, universal mains charger and cleaning kit

## Properties

|                          |                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended applications | inspection tool for internal inspection of machinery                                                                                                                               |
| Measurement method       | CMOS                                                                                                                                                                               |
| Insertion Tube           | Flexible tube with articulated tip                                                                                                                                                 |
| Adjustability            | Fully flexible tube;300° tip articulation;330° rotatable neck                                                                                                                      |
| Light source             | 4x white LED with adjustable brightness                                                                                                                                            |
| Tube length              | 39.3701 in                                                                                                                                                                         |
| Field of view            | 55 °                                                                                                                                                                               |
| Depth of Field           | 0.7874 – 2.3622 in                                                                                                                                                                 |
| Special features         | Comes with integrated magnets and tripod connection for handsfree use;TV out connection;Upto 2x digital zoom;USB out;Mirroring functions;Auto power-off; Sideview adapter included |
| Image resolution         | 320 x 240 pixels                                                                                                                                                                   |
| Video resolution         | 320 x 240 pixels, 30 fps                                                                                                                                                           |
| Display                  | 3.5" TFT LCD monitor with 320 x 240 pixels                                                                                                                                         |
| Memory                   | SD Card MB                                                                                                                                                                         |

|                                 |                                                                                                                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insertion tube and tip diameter | 0.2283 in                                                                                                                                                                                                                                                                                |
| Bending radius (min)            | 1.9685 in                                                                                                                                                                                                                                                                                |
| Tripod connector                | Yes, (1/4-20 UNC)                                                                                                                                                                                                                                                                        |
| Battery                         | Rechargeable Li-Polymer Battery (3.7 V)                                                                                                                                                                                                                                                  |
| Battery life                    | 4 h                                                                                                                                                                                                                                                                                      |
| Power adapter                   | Input: 100 - 240V 50/60 Hz EU/UK/US/AUS or via 5V USB 2.0 with cable included;Output: 5V DC 2A                                                                                                                                                                                           |
| Colour                          | Blue;Black                                                                                                                                                                                                                                                                               |
| Degree of protection (IP)       | Tube: IP 67;Display device: IP 55                                                                                                                                                                                                                                                        |
| Operating temperature range     | -4 – 140 °F                                                                                                                                                                                                                                                                              |
| Case dimensions (l x h x w)     | 20.9 x 4.3 x 14.2 in                                                                                                                                                                                                                                                                     |
| Content                         | Display unit (TKES 10-DU);Articulated insertion tube 1m (TKES TA-1);SD memory card;Side view adapter 90° (TKES 1-M1);Video cable for s-video;Power adapter and charger with country plugs (TKES 10-CHARG);mini USB to USB cable;Cleaning accessories;Carrying case;Instructions for use; |

## Logistics

|                                     |             |
|-------------------------------------|-------------|
| Country of Manufacturing (COM code) | 49 - Taiwan |
| Product net weight                  | 7.16 lb     |
| eClass code                         | 23-05-19-01 |
| UNSPSC code                         | 41112202    |

## Compatible products

| Type       | Designation          | Description                                    | Qty |
|------------|----------------------|------------------------------------------------|-----|
| Accessory  | <b>TKES TA-3</b>     | Accessory articulated tube for Video endoscope | 1   |
| Accessory  | <b>TKES TF-2</b>     | Accessory flexible tube for Video endoscope    | 1   |
| Accessory  | <b>TKES TF-3</b>     | Accessory flexible tube for Video endoscope    | 1   |
| Accessory  | <b>TKES TF-5</b>     | Accessory flexible tube for Video endoscope    | 1   |
| Accessory  | <b>TKES TS-2</b>     | Accessory semi-rigid tube for Video endoscope  | 1   |
| Accessory  | <b>TKES TS-3</b>     | Accessory semi-rigid tube for Video endoscope  | 1   |
| Accessory  | <b>TKES TS-5</b>     | Accessory semi-rigid tube for Video endoscope  | 1   |
| Spare part | <b>TKES 1-M1</b>     | Visual inspection - Spare parts, accessories   | 1   |
| Spare part | <b>TKES 10-BAT</b>   | Spare battery for Video endoscopes             | 1   |
| Spare part | <b>TKES 10-CHARG</b> | Spare power adapter for Video endoscopes       | 1   |
| Spare part | <b>TKES 10-DU</b>    | Spare endoscope without tube                   | 1   |
| Spare part | <b>TKES TA-1</b>     | Spare articulated tube for Video endoscope     | 1   |