



ENDOFLASHER 800 VIDEOENDOSCOPIC PROBES DIAMETER 6 MM WITH INTERNAL WORKING CHANNEL

Dedicated to "PC compatible" video recording on USB key, the ENDOFLASHER 800 incorporates a comfortable 5 inch viewing screen, integrated LED lighting and a real-time processor with super sensitivity capabilities. ENDOFLASHER 800 loaded with the 3DSIZER option and fitted with distal stereo tips enable high precision, three-dimensional in situ measurements.

- Diameter 6 mm
- Up to 3 M lengths
- Internal working channel for instruments (axial viewing)
- Orbital tip articulation by joystick
- Axial and lateral interchangeable tips with standard or stereo viewing

- 5 inch VGA screen
- Real-time JPEG and MPEG4 audio-video recording
- Comparison measurement function
- Integrated LED lighting
- Video processor with variable zoom and low speed auto shutter
- Distal temperature alarm
- Impregnated tungsten braiding
- Universal thread mount
- Molded reinforced polycarbonate body
- 2 meters removable umbilical cable
- AC or battery powering
- Option : 3DSIZER function for three-dimensional stereo measurement

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ENDOFLASHER 800			
DIAMETER	REFERENCE	WORKING LENGTH	TIP ARTICULATION
6.0 mm	HSD-60C-A2-200-S8	200 cm	150° orbital tip articulation
	HSD-60C-A2-300-S8	300 cm	

ENDOFLASHER 800 3DSIZER			
DIAMETER	REFERENCE	WORKING LENGTH	TIP ARTICULATION
6.0 mm	HMD-60C-A2-200-S8	200 cm	150° orbital tip articulation
	HMD-60C-A2-300-S8	300 cm	

INTERCHANGEABLE TIPS FOR ENDOFLASHER 800 PROBES Ø 6 MM WITH INTERNAL WORKING CHANNEL

PROBE Ø	TYPE	VIEWING	FOV	REFERENCE	FOCUSING	NUMBER
6.0 mm	Standard	Axial	50°	TV60C-A50-Y41	100 mm to infinite	A61C
				TV60C-A50-V82	50 mm to infinite	A62C
				TV60C-A50-K164	12 mm to 200 mm	A63C
			80°	TV60C-A80-N82 (1)	20 mm to infinite	A64C
				TV60C-A80-E164	3 mm to 20 mm	A65C
		100°	TV60C-A100-F106	5 mm to 120 mm	A66C	
			TV60C-A120-F70	4 mm to 190 mm	A67C	
		Lateral	50°	TV60C-L50-V82	45 mm to infinite	L61C
				TV60C-L50-K164	9 mm to 200 mm	L62C
			80°	TV60C-L80-D164	1 mm to 20 mm	L63C
	TV60C-L80-N82			20 mm to infinite	L64C	
	Stereo measurement	Axial	40°/40°	TV60C-SA40-F98	5 mm to 45 mm	S61C
				TV60C-SL40-F98	4 mm to 45 mm	S62C
		Lateral	TV60C-L50-V82	45 mm to infinite	L61C	
TV60C-L50-K164			9 mm to 200 mm	L62C		



(1) Tip supplied with each probe diameter 6 mm with working channel

TOOLS FOR ENDOFLASHER 800 PROBES Ø 6 WITH INTERNAL WORKING CHANNEL

2 METERS WORKING LENGTH PROBE		3 METERS WORKING LENGTH PROBE	
REFERENCE	DESIGNATION	REFERENCE	DESIGNATION
PC-02-60C-200	Three-prong gripper	PC-02-60C-300	Three-prong gripper
PC-03-60C-200	Snare	PC-03-60C-300	Snare
PC-04-60C-200	Hook	PC-04-60C-300	Hook
PC-05-60C-200	Magnet diameter 4 mm	PC-05-60C-300	Magnet diameter 4 mm
PC-06-60C-200	Magnet diameter 8 mm	PC-06-60C-300	Magnet diameter 8 mm
PC-07-60C-200	Gauge	PC-07-60C-300	Gauge
PC-09-60C-200	Alligator diameter 1.4 mm	PC-09-60C-300	Alligator diameter 1.4 mm

Other tools available on request

Tools operable only with axial tip

IMAGE PROCESSING FUNCTIONS

DIRECT FUNCTIONS

- Fixed image or motion video recording
- Thumbnail or full screen image review, tip articulation, variable zoom, super sensibility, image freeze

STANDARD PROGRAMMED FUNCTIONS

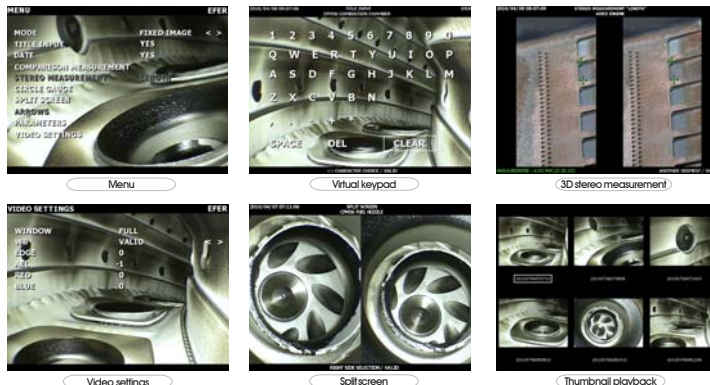
- Comparison measurement
- Circle gauge
- Title input by virtual keyboard
- Arrow annotation management
- Split screen
- Video settings

OPTION 3DSIZER PROGRAMMED FUNCTIONS

- Three-dimensional stereo measurement modes: length, depth, point to line, multi-segment lengths, perimeter, area

ON-SCREEN INDICATIONS

- Zoom, super sensitivity, motion video recording, distal temperature alarm
- Date/time, title, operating instructions, arrows, measurement results



TECHNICAL FEATURES

SERIES

Vocation

Working diameter
Working length
Tip articulation
Probe sheathing
Working channel
Tip max temperature
Screen
Pixels number image sensor
Autoshutter
Autoshutter reference point
White balance
Image analysis surfaces
Blue level adjustment
Red level adjustment
Variable zoom
Recording formats

Menu text languages

Recording support
Audio headset connection
Video output
Handle weight
Probe weight (Lg 2 meters)

ENDOFLASHER 800

Industrial endoscopy

6 mm
Up to 8 meters
150° orbital tip articulation
Impregnated tungsten
For instrument dia. 1.4 mm max
80°
5 inch
320 000
1/100 000 to 2 s
15 positions
Auto-lock
Full/Spot
15 positions
15 positions
Maximum by 3
JPEG images, MPEG4 sequences,
AVI audio
French, English, German,
Italian, Portuguese, Spanish
USB key
2 jacks 3.50 mm
VGA connector
About 1,950 Kg
About 2,420 Kg

ACCESSORIES

NiMH battery power pack ref. **PW800-07** (about 2H45 of autonomy)
Fast battery charger ref. **CR800-02**
Cable with cigarette lighter adapter for 12V connection ref. **CB800-01**
AC power supply ref. **S800-02**
Audio headset ref. **MC800**
IATA transport case ref. **VA-800F**
Rigid guide tubes diameter 8 mm
Flexible guide tube diameter 12,7 mm
Centering devices diameters 15, 38 and 76 mm
Test block ref. **BTS-60**

OTHER MODELS AVAILABLE

ENDOFLASHER 800 videoendoscopic probes of dia.4, 5, 6 and 8 mm.

EFER reserves the right to modify product specifications without notice