



4 VUMAN® E3 / E3+

4.5 Accessories and Upgrades

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90° side view prism 8 mm



90° side view adapter 12.7 mm



Centering device kit 8 mm



Centering device kit 8 mm



Centering device kit 6 mm



Centering device kit 12.7 mm

90° SIDE VIEW PRISM 8 MM RF PROBE FOR INVIZ® VUMAN® TUBE

BMX-50-000129

Provides 90° side viewing image, easy focusing to achieving over 100 viewing / illumination positions. Optimized for usage with option centering device kit. Focus range from 0 mm to ∞.

90° SIDE VIEW ADAPTER REVOLVER 12.7 FOR INVIZ® VUMAN®

BMX-50-000277

Only for operation with INVIZ® VUMAN® Revolver 12.7

Provides 90° side viewing image at homogeneous illumination. Anti-reflex, metal coated glass surface minimizes image disturbance.

INVIZ® VUMAN® CENTERING DEVICE TOOL KIT FOR 8 MM RF X-WAY PROBES

BMX-50-000197

Centering discs	5 weight optimized centering discs.
Diameter	60 mm, 44 mm, 34 mm, 24 mm, 17 mm.
Mounting	Insertion tube
Function	These tools offer premium scope handling inside tubes and keep the camera clean of potential bottom remains. The camera head can still be articulated. Positioned in the center they ensure continuous focal distance to the tube wall resulting in repetitive high quality images and faster workflow. The disks are fixed with a split adapter behind the bending neck section at the insertion tube. Incl. a split locking adapter and mounting wrench.

INVIZ® VUMAN® CENTERING DEVICE TOOL KIT FOR 8 MM RF NON ARTICULATION PROBES

BMX-50-000302

Centering discs	5 weight optimized centering discs.
Diameter	60 mm, 44 mm, 34 mm, 24 mm, 17 mm.
Mounting	Camera head
Function	These tools offer premium scope handling inside tubes and keep the camera clean of potential bottom remains. They too ensure continuous focal distance to the tube wall resulting in repetitive high quality images and faster workflow. Incl. a locking adapter and mounting wrench.

INVIZ® VUMAN® CENTERING DEVICE KIT FOR 6 MM SIDE VIEW PROBE

BMX-50-000305

Centering discs	3 weight optimized centering discs.
Diameter	44 mm, 19 mm, 10 mm.
Mounting	Camera head
Function	These tools offer premium scope handling inside tubes, keeps camera away from tube or pipe bottom, keeps continuous focal distance to the tube / tube wall. Works with mounting adapter and mounting groove on endoscope camera head to prevent tool lost inside application. Includes mounting adapter, adapter-can for usage without 90° side viewing device and mounting wrench.

INVIZ® VUMAN® CENTERING DEVICE KIT FOR INVIZ® REVOLVER 12.7

BMX-50-000457

Centering discs	5 weight optimized centering discs.
Diameter	80 mm, 60 mm, 46 mm, 36 mm, 26 mm.
Mounting	Camera head
Function	This tools offer premium scope handling inside tubes, keeps camera away from tube or pipe bottom, keeps continuous focal distance to the tube / tube wall.



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Glass fiber pushing aid 15 m

GLASS FIBER PUSHING AID SET FOR 6 MM INSERTION TUBE, ONLY VUMAN® 15 M

BMX-50-000283

To be mounted 10" / 25 cm before distal scope end

Small reel containing 15 meter / 4.5 mm PE-coated glass fibre push rod and one spherical adapter including clamps and clockwise / counterclockwise thread-connector. Unique tool to move longer insertion tubes of any 6mm scope into hard to reach positions. Change of clamps allows to use same set with different scope diameters. Includes mounting wrench.



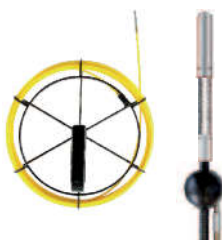
Glass fiber pushing aid 15 m

GLASS FIBER PUSHING AID SET FOR 8 MM INSERTION TUBE, ONLY VUMAN® 15 M

BMX-50-000281

To be mounted 10" / 25 cm before distal scope end

Small reel containing 15 meter / 4.5 mm PE-coated glass fibre push rod and one spherical adapter including clamps and clockwise / counterclockwise thread-connector. Unique tool to move longer insertion tubes of any 8mm scope into hard to reach positions. Change of clamps allows to use same set with different scope diameters. Includes mounting wrench.



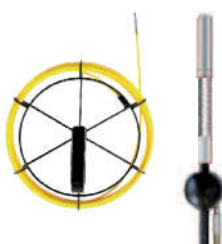
Glass fiber pushing aid 20 m

GLASS FIBER PUSHING AID SET FOR 8 MM INSERTION TUBE, ONLY VUMAN® 20 M

BMX-50-000349

To be mounted 10" / 25 cm before distal scope end

Small reel containing 20 meter / 4.5 mm PE-coated glass fibre push rod and one spherical adapter including clamps and clockwise / counterclockwise thread-connector. Unique tool to move longer insertion tubes of any 8mm scope into hard to reach positions. Change of clamps allows to use same set with different scope diameters. Includes mounting wrench.



Glass fiber pushing aid 30 m

GLASS FIBER PUSHING AID SET FOR 8 MM INSERTION TUBE, ONLY VUMAN® 30 M

BMX-50-000348

To be mounted 10" / 25 cm before distal scope end

Small reel containing 30 meter / 4.5 mm PE-coated glass fibre push rod and one spherical adapter including clamps and clockwise / counterclockwise thread-connector. Unique tool to move longer insertion tubes of any 8mm scope into hard to reach positions. Change of clamps allows to use same set with different scope diameters. Includes mounting wrench.



Glass fiber pushing aid 15 m

GLASS FIBER PUSHING AID SET FOR 10 MM INSERTION TUBE VUMAN® REVOLVER 12.7

BMX-50-000285

Only VUMAN®

To be mounted 10" / 25 cm before distal scope end

Small reel containing 15 meter / 4.5 mm PE-coated glass fibre push rod and one spherical adapter including clamps and clockwise / counterclockwise thread-connector. Unique tool to move longer insertion tubes of any 10 mm scope into hard to reach positions. Change of clamps allows to use same set with different scope diameters. Includes mounting wrench.



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X-WAY articulation upgrade



Transport case



Transport case



Transport case



Camera head protection ring



Battery pack

BASE UNIT X-WAY UPGRADE

VXX-10-001115

Incl. micro compressor to use articulating INVIZ® RF video probes. Hardware upgrade (micro compressor and boards). Software upgrade (working with all articulating INVIZ® RF probes).

TRANSPORT CASE VUMAN® BASE UNIT FOR PROBE LENGTH UP TO 20 M

FXX-80-000119

Light-weight, compact and splash water proof HPX® high performance transport, storage and operation case for VUMAN® / RA-Y / RA base unit and accessories. Product tailored interior for perfect protection during transport, storage and out-of-the-box operation. Integrated wheels and large pull-out handle. Press & Pull closing latches, reinforced hinges.

TRANSPORT CASE VUMAN® BASE UNIT FOR PROBE LENGTH UP TO 30 M

FXX-80-000136

We recommend this item for probe working lengths over 20 m

The outer size and physical dimensions of this case are the same as the standard. The interior is designed to fit the extra long probe on the probe extension. Light-weight, compact and splash water proof HPX® high performance transport, storage and operation case for INVIZ® VUMAN® base unit and accessories. Product tailored interior for perfect protection during transport, storage and out-of-the-box operation. Integrated wheels and large pull-out handle. Press & Pull closing latches, reinforced hinges.

TRANSPORT CASE INVIZ® SPARE PROBE

BMX-50-000225

Light-weight, compact and splash water proof HPX® high performance transport case for INVIZ® spare probes. Product tailored interior for perfect scope protection during transport and storage. The non-slip material of the transport case INVIZ® spare probes enables transport and storage on the transport case VUMAN base unit (FXX-80-000119 and FXX-80-000136).

CAMERA HEAD PROTECTION FOR INVIZ® VUMAN® / TUBE 8.4 MM RF

BMX-50-000299

Spare head guard ring for 8.4mm VUMAN® probe head. Always to be used when no side view adapter is present. This ring is to protect the integrity of the fine thread provided at the camera head.

VUMAN® E3/E3+ BATTERY PACK

BEM-30-000342

Maximum operation time is up to 3 hours. Battery charging with INVIZ® VUMAN® E3/E3+ base unit or external charging unit. Provides full mobility and retains capacity and performance even under the harshest conditions. Operating environment: -25°C to +45°C (-13°F to +113°F). Safe NiMH battery technology. Delivery incl. external charging system. Weight 2,5kg.



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VUSCREEN control unit



VUSCREEN Link cable



Display protective foil



Customization

VUSCREEN CONTROL UNIT FOR VUMAN® / INVIZ® MATRIX		BEM-30-000257
Display size	10.4"	
Resolution	1024 x 768 px	
Contrast	700:1	
Brightness	700 cd/m²	
Backlight	LED, transreflective	
Colors	True Color	
Operation	Touch screen Joystick Direct access buttons	
Dimensions	(W) 320 x (H) 30 x (D) 230 mm	
Weight	1.6 kg	
Construction	Carbon fiber design with all around elastometer bumper	

LENGTH	CONNECTION ANGLE (LCD CONTROL UNIT)	CONNECTION ANGLE (BASE UNIT)	ITEM NO.
2.5 m	60°	0°	EXX-70-000273
5.0 m	60°	0°	EXX-70-000297
8.0 m	60°	0°	EXX-70-000298
10.0 m	60°	0°	EXX-70-000306

Remote operation extension cable for the LCD control unit.

LCD DISPLAY PROTECTIVE FOIL	MX-70-000274
<p>This display cover will perfectly fit and protect your touch screen from any dirt and scratching, chemical substances corrosion, destruction, or deterioration caused by sea water. It is easy to place and replace from the screen and highly transparent. The antireflective coating will provide perfect image quality. The touch screen functions are guaranteed even with gloves on.</p>	

CUSTOMER LOGO / REFERENCE CHARTS DISPLAY	EXX-99-000101
<p>Your VUMAN® can be uploaded with your individual reference charts or company logo. When chosen, these can be end positioned as overlay anywhere in your active picture for reference or documentation. Reference pictures and logos need to be provided after the order date by the customer within the first two weeks after order. File format: EPS or high resolution JPEG format.</p>	



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Customization

CUSTOM TRANSPORT CASE LABEL

MXX-70-000404

Make your case show your brand. When ordering FXX-80-000119 / FXX-80-000136, you can order it to come with the customer logo on it. The logo needs to be provided by the customer within the first two weeks after order. File format: EPS or high resolution JPEG format.



Product training

INHOUSE VUMAN® TRAINING IN ALBSTADT / VILLMAR

SXX-20-000111

Up to max. 6 persons in one session. (6 hrs)

Inhouse training includes working with the VUMAN®. First start-up of the system, quick start, handling the X-WAY probe, correct file management, working with the text generator, copying files on a USB device, changing centering discs and safe storage of the system / spare probe.

viZaar®



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