IBAK MainLite

MainLite fit

MainLite solid

MainLite easy

Pictures shown in the brochure may depict optional equipment subject to surcharge.

MainLite – modular and flexible

The MainLite is a compact camera trac-
tor system from IBAK and features modular
design. Three different models are available:

1. MainLite easy
Portable system with a cable winch
(150/180 m of camera cable)

2. MainLite fit
Portable system with a cable winch (200/300
m of camera cable)

3. MainLite solid
Model for vehicle installation with a cable
winch (200/300 m of camera cable)

Analogue IBAK cameras, the camera tractors
T66 and T76 can be operated with all three
models. The cutter MicroGator Air works with
MainLite fit and MainLite solid.

MainLite easy   MainLite fit   MainLite solid

MainLite easy

The portable solution with 150/180 m of cable

The MainLite easy consists of the following components:

Electrically operated cable winch KT156

The KT 156 holds 150/180 metres of camera cable. A drive motor makes it easier to wind on cable. The compact design, the big wheels and the folding transport handle make inspections possible at hard-to-access locations that cannot be reached by a vehicle or even with the MainLite fit. Thanks to its low weight, it can be transported by one person. To operate the system, all you need is a 230 volt power source.

Control console

Versatile control console BP100 with a 10 inch touch screen and two joysticks to operate the camera and the camera tractor

Software

IKAS mini, IKAS evolution

* optional 180 m

Control console
BP100

BP100

Cablewinch KT 156

KT 156

MicroGator Air

Camera tractor T66

Camera ORION

MainLite easy

The portable solution up to 180 m of cable

Compatible with:

- Camera tractors T66 and T76
- Cutter MicroGator Air
- Cameras NANO (L), ORION 3 SD/HD (L), ORPHEUS 2/3 and ARGUS 5
- Control console BP100

Transport weight:

Only 41 KG!

MainLite fit

The portable solution with up to 300 m of cable
The MainLite fit consists of the following components:

Motor-driven cable winch
Depending on individual requirements, motor-driven winches are available with 200 metres (KW206) or 300 metres of camera cable (KW 306).

Mobile rack
With the mobile rack, the cable winch can be transported to locations that are difficult to access with vehicles. The integrated seat also makes it possible to work comfortably outside of the inspection van.

Control console
Versatile control console BP100 with a 10 inch touch screen and two joysticks to operate the camera and the camera tractor

Software
IKAS mini, IKAS evolution

Control console
BP 100

Camera
ORPHEUS 2/3

Cable winch KW 206
or KW 306
in the mobile rack

Camera tractor T76

Fräser MicroGator Air

MainLite fit

The portable solution with up to 300 m of cable

Compatible with:

- Camera tractors T66 and T76
- Cutter MicroGator Air
- Cameras NANO (L), ORION 3 SD/HD (L), ORPHEUS 2/3 and ARGUS 5
- Control console BP100

Transport position

Camera ORION

Tractor T66

Cutter MicroGator Air

Control console
BP 100

Cable winch KW 206
or KW 306
in the mobile rack

MainLite solid

The solution for vehicle installation with up to 300 m of cable
The MainLite solid consists of the following components:

Motor-driven cable winch
Depending on individual requirements, motor-driven winches are available with 200 metres (KW206) or 300 metres of camera cable (KW 306).

Control systems
IBAK BS10
Control system for vehicle installation

BP 100
Versatile control console BP100 with a 10 inch touch screen and two joysticks to operate the camera and the camera tractor. The MainLite solid is identical to the Main-Lite-fit system except that it is designed for vehicle installation. As with the MainLite fit system, the customer can also use the control unit BP100 in the vehicle or opt for a model with a built-in PC, a keyboard and a control console with joysticks (BP10). The inspection van can be operated optionally with the 200 metre (KW206) or the 300 metre cable winch (KW306).

Software
IKAS mini, IKAS evolution

Cable winch KW 206 or KW 306

Camera ORPHEUS 2/3

Camera tractor T76

MicroGator AIR

IBAK BS10

The control system for installation in IBAK inspection vehicles

The **IBAK BS10** is a control system for IBAK inspection systems for installation in an inspection or rehabilitation vehicle. This central control and operating unit consists of a control console (BP10), a BS10 interface box and a keyboard.

All winches of the current generation (KW206/306) and the camera tractors and cameras that are compatible with these can be operated with it. The connected components are identified automatically by the system. Operation of the camera tractor and the camera is user-friendly with configurable joysticks. The individually programmable keys of the control console offer the user numerous presetting possibilities. In addition, various features can be operated such as the light intensity, functions of the camera and the camera tractor and further system-relevant options.

With the integrated data display generator, descriptions of defects, symbols or comments entered via the keyboard can be overlaid on the video image.

In addition, there is a connection facility for video recording equipment. Voice communication is possible via the intercom system using the microphone integrated in the control console.

Control and operation unit BP 10

IBAK BP100

The control console for all current portable IBAK systems

The control console BP 100 is a compact PC for operation of the IBAK inspection software and the control of IBAK cameras, camera tractors and the cutter MicroGator Air.

It is equipped with a 10 inch touch screen protected by bonded glass plates. Therefore it is optimally suited for everyday work at the job site as it is scratch-proof and shielded against rain.

The BP100 is provided with an efficient PC so that the complete IBAK sewer analysis software can be installed and used with all functions.

Data can be transferred via a USB stick, a hard disk or wifi.

The BP100 can either be directly connected to the system to be operated (all IBAK compact systems) or installed in the van with a vehicle extension kit (consisting of an emergency stop button for the BP100 and a table mount).

The cameras, the camera tractors or the MicroGator Air are operated with two joysticks.

A wide range of accessories are available such as display extenders and extension cables.

Control console BP 100

Control console BP 100 with emergency stop button

Technical System Data

Cable winch	KW 206	KW 306	KT 156
Product classification	Cable winch	Cable winch	Cable winch
Deployment range	DN100 upwards	DN100 upwards	DN 100 upwards
Max. cable length	200 m	300 m	180 m
Width x height x depth	360 x 410 x 650 mm	430 x 410 x 650 mm	420 x 660 x 770 mm
Weight	approx. 44 kg with cable,mobile rack approx. 12 kg	approx. 54 kg with cable, mobile rack approx. 12 kg	approx. 41 kg w/o BP100, approx. 45 kg with BP100
Length measurement	yes	yes	yes
Motor-driven	yes	yes	yes
Cable level wind assembly	yes	yes	no
Remote control	no	no	no
Protection class	IP55	IP55	IP55
Emergency stop	yes	yes	no
Combinable with			
IBAK cameras	NANO (L), ORION 3 SD/HD (L), ORPHEUS 2/3, ARGUS 5		
IBAK-cutters	MicroGator Air	MicroGator Air	–
IBAK camera tractor	T66, T76		

Control system BP10/Interfacebox	
Product classification	Control system for vehicle installation
Intercom system	interior loudspeaker, exterior loudspeaker, interior microphone
Camera cable length	depends on the winch
Video processing	a PC with inspection software is required
Video in / out	composite colour signal and Y/C for the PC
Keyboard	for connection to the PC
TV standard	PAL or NTSC
Operating voltage	48V, is supplied by the winch used
Interfaces to the PC	serial interface, USB
Safety device	emergency stop
Combinable with	
IBAK cameras	NANO (L), ORION 3 SD/HD (L), ORPHEUS 2/3, ARGUS 5
IBAK cutters	MicroGator Air
IBAK cablewinches	KW206, KW306
IBAK camera tractors	T66, T76

Control console BP100	
Width x height x depth	405x190x40 mm
Weight	approx. 3.0 kg
Connections	2x USB 3.0, 1x HDMI, 1x USB 2.0, WLAN
Data storage	text input or storage of image or video files (MPEG 4 AVC/H.264) on the integrated PC data transfer via USB 3.0, Wifi
Monitor	Dust and water jet protected (IP55), 10 inch touch screen, an external monitor can be connected via HDMI
Battery charge level indicator	yes
Battery replacement indicator	yes
Length measurement/indicator	yes
Combinable with	
IBAK cameras	AxialCam, NANO (L), ORION 3 SD/HD (L), ASPECTA, ORPHEUS 2/3, ARGUS 5
BAK push rod systems	MicroLite, MiniLite 2
IBAK camera tractors	T66, T76
IBAK cutter	MicroGator Air
IBAK cablewinches	KW 206, KW 306, KT 156
IBAK software	IKAS recorder (standard), IKAS mini, IKAS evolution (depending on the configuration of the terminal units, software licences are possible for IKAS evolution Push, IKAS evolution Starter and IKAS evolution Professional)

Made in Germany All IBAK products have one thing in common: they are made in Germany. All system components are designed, manufactured, assembled and tested by IBAK. With their high quality standards, IBAK product set the benchmark for security of investment and economic efficiency – and have now done so for 75 years.
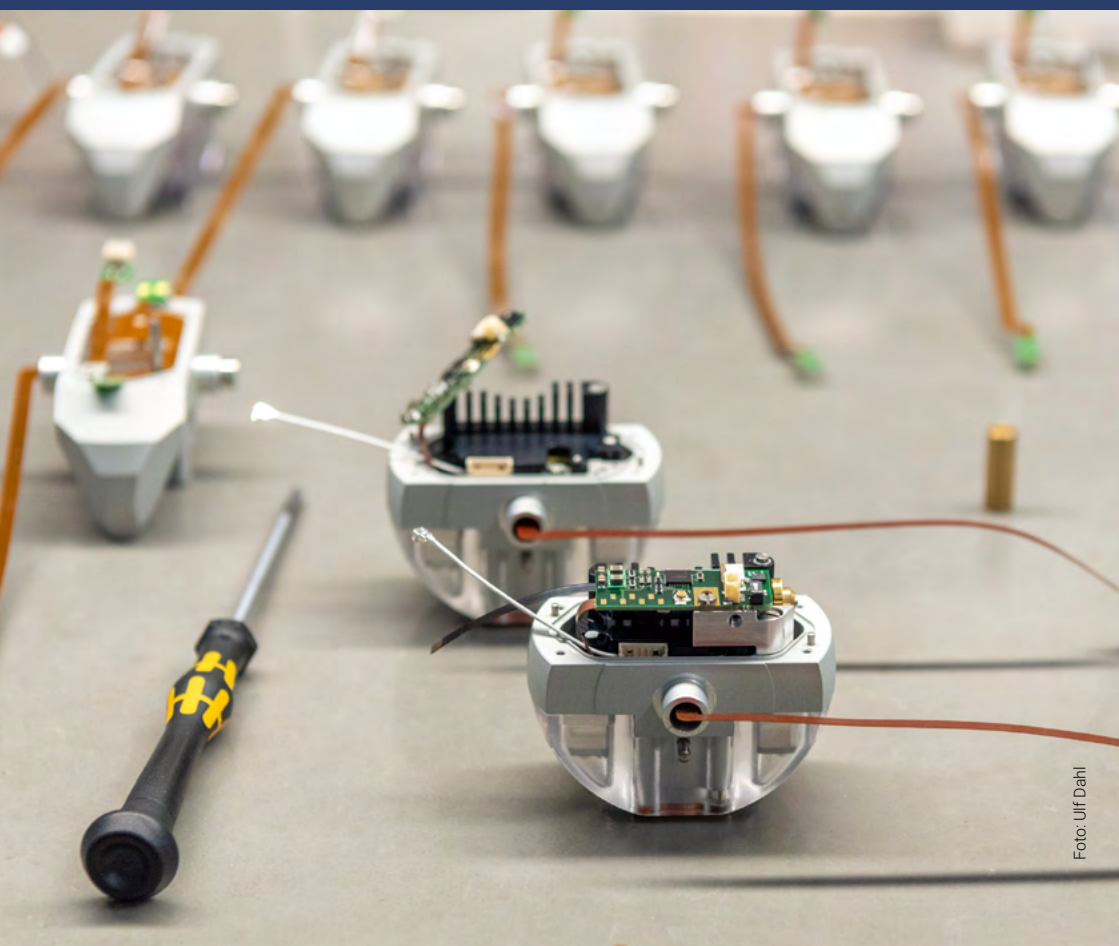

Foto: Ulf Dahl

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