

ECO STAR 400

Efficient recording



Efficient Fast Precise

ECO STAR 400 Vehicle installation version - our compact all-rounder

The variable control and operating unit ECO STAR 400 is our space-saving installation solution for CCTV inspections. Power is supplied by lithium-ion batteries - the lightweights among the rechargeable batteries. They are charged directly during vehicle operation via an additional charging unit.

Alternatively, a power supply with gel batteries or a generator is also possible. Of course, our modular system of the M series is also used in the ECO STAR 400 built-in version. Vehicle upgrades:

- Lightweight construction for driver's licence Class B up to 3500 kg total weight
- Expansion according to individual customer requirements

Studio



- User-friendly lightweight interior design with LED ceiling lights
- Worktop, various shelves and swivel chair
- Control and operating unit with 10.4" LCD monitor integrated in the work area
- Surveillance monitor for rear view camera
- PC with 22" monitor
- Software PipeCommander for documentation
- Privacy curtain between studio and cab
- Optional: Auxiliary heating and air conditioning

Rear area



- Upgrade in robust lightweight construction technology
- Finishing with high-quality aluminum profiles and pull-outs for crawlers and accessories
- Integrated LED lighting
- Elka 600 cable drum with integrated 8" LCD monitor
- Telescopic swivel arm with winch and LED worklight
- Satellite cable drum Quadro SAT
- Water tank for cleaning work

Option

- Premus 600 for the reach test
- Kampac for socket pressure testing
- Shaft inspection
- Folding rain and sun protection canopy

Mobile use

The mobile ECO STAR 400 control and operating unit is designed for CCTV inspections with push cameras from DN 50 - 250 or steerable camera crawlers from DN 100 - 2500 for the main sewer inspection.

Cable drum Alpha 150

Max. cable length 180 m

The transportable cable drum Alpha 150 with extendable transport handle is compact and easy to transport despite its cable length of 180 metres.

Cable drum Quadro 300

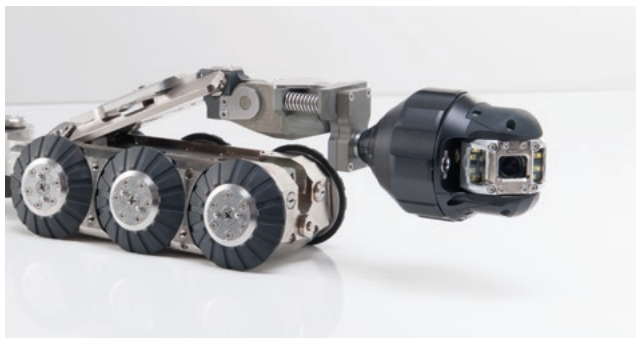
Max. cable length 300 m

The Quadro 300 cable drum is designed for mobile use or as an optimum supplement for different installation versions.



ECO STAR 400 with cable drum Quadro 300
Crawler L 135 and camera KS 135.

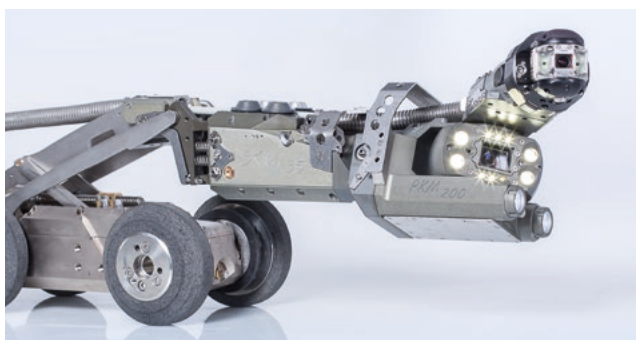
Crawlers and possible combinations



**Crawler L 100 Cross
and camera KS 60 DB**
DN 100 – 600



**Crawler L 135
and camera KS 135 C**
DN 135 – 2500



**Modular satellite system
PKM 200**
Crawler L 135 with satellite system
and camera KS 60 DB, DN 200 - 1800
from DN 150 with module PM 135



**LATRAS sensor head
with KS 60 DB and flushing system**
Locating system for automatic measurement and
graphic display of the pipe routing of building
connection pipes

Software

With PipeCommander all relevant master data and inspection results are recorded and can be easily edited later. All projects are managed in a clear menu structure and can be exported at any time. Inspection results can be retrieved in the form of videos, photos, logs and statistics.

PicoMaps automatically retrieves all available channel network data with geo coordinates from the database. Based on this data, PicoMaps visualizes the connection cable progressions in best 3-D quality or automated with LATRAS.

PipeCommander | Service range

- Inspections of reaches, connections and shafts
- Powerful, configurable customer and project management
- Macro control for camera and crawler
- Hardware-supported image digitization
- Integrated, constantly updated standards and code catalogues
- Data exchange through IsyBau 96/2001 and IsyBau 2006 interfaces