

## Advantages

- compact shape
- modular system
- low-noise
- soft vertical movement by smooth start and stop ramp
- connections for motorized yoke and colour changer

## Certifications:

- BGV C 1 DIN 15560 t46
- CE certification
- TÜV certification
- EN 292-1-2, EN 292-1A, 349, 60204-1, 294, 418
- ENV 26385

## Available types:

- TLH series
- TLH Media series

## Motorized Telescope TLH-SERIES

The TLH-Series of motorized telescopes is designed for precise positioning of lampheads, video and audio equipment in medium and larger size studios, with a minimum height of 6m. The telescope could be operated by tug-cables or power rails. Both provide the possibility to change the settings of the lampheads in a very short time.

The telescope is horizontally and vertically movable for fully automatic operation in combination with a motorized trolley. It can be operated by a separate touch panel or wireless remote control unit via CAN-Bus, DMX or – on request – via PROFIBUS. Highly accurate movement of the telescope, on an installed studio track system, is made possible in connection with a special position encoding system.

A cable winch reel ensures precise movements for raising and lowering the rectangular steel tubes and is equipped with special guides that prevent the tubes from getting stuck. Telescopes of the TLH-series provide a very low radial tolerance and are fitted with emergency detectors to indicate overloads as well as slack cable and cable-breakages. Additionally, the telescope incorporates detectors for the highest and lowest permitted operating position. As a result of the modular design, the telescope can easily adapt to any studio size or various other customer requirements.

### Design:

Max. length:	standard 7m (TLH 70), or customised up to 12m (TLH 120)
Telescope Weight:	app. 50kg (TLH 70)
Max. load:	50kg, (with reduced drop max. 75kg)
Load attachment:	DIN TV- socket 28mm
Colour:	black
Features:	Cable basket with power outlets for colour changer and/or joke Illuminated numbering plates Self folding spiral load cable

### Technical Data

Lifting speed:	150mm/s (average)
Load cable:	steel 3,0mm
Radial tolerance:	< 1,5°
Motor engine:	3 x 230/400V; 50Hz; 0.4kW
Motor protection:	thermal overload protection
IP rating:	IP 54 breakdown grade N
Control:	CAN-Bus, DMX, PROFIBUS (on request)
Power outlets of cable basket:	16A Schuko; CEE 16A; XLR-5; XLR-4

### Other features

- Motor control with phase-reverse switches
- Dynamically self-locking drive
- Slack-cable and cable-break recognition
- Overload recognition: in case of factor 1,2 to the max. load
- Limit detector for the highest and lowest operating position
- Emergency detector for the limit of the upper and lower maximum range

