

## Manual Camera Viper



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## Camera Viper

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## ***Mini-Camera Viper***

Art.-Nr. 2640

## ***Combine-Camera Viper***

Art.-Nr. 26401

## ***Maxi-Camera Viper***

Art.-Nr. 26402



## **1. Safety Notes**

- The plugs of the Camera-Viper are not waterproof! Please avoid contact with water of any kind.
- The video inspection system is not for use in the medical field!
- Any kind of reparations on inside of the unit, must be carried out, exclusively by qualified Staff! (If required, contact the RESS-customer service)
- The connection and disconnection, the respective components of the system, must always be carried out without power supply!
- During unwinding the rod, do not place your fingers between the spokes of the viper!
- The video inspection system must be switched off after it has been used!
- Please avoid collisions at any time! (use strap)
- Do not use aggressive cleanser for cleaning!
- Do not pull the GFK-rod over a sharp edge!
- Only clean the GFK-rod while connected with the camera head, to avoid moisture and dirt getting into the connections.
- Please avoid high temperature at all times! Do not underestimate the high temperatures in your car during the summer period!

## 2. Special Instructions

The GFK-rod is exclusively for leading and for the power supply of the camera heads. It should never be used as a sweeping rod or as a pull rope! To guarantee a precise meter counter, the GFK-rod has to be rolled up completely to the viper (there is no absolute 100% accuracy). Before rolling it up, please switch the on basic unit.

## 3. Start-up

Before using the unit, please control if it has been damaged or if it is dirty. Particular the connectors and the thread have to be dry and clean. The connection and disconnection of the respective components of the system must always be carried out, without power supply!



To connect, match the arrow of the bayonet jack with the bayonet plug. Now mount the Camera-Head onto the end of the GRP-Rod and secure with the union nut.



The reel is equipped with a fuse so that the Rod can not run out independently. To unlock the basket, pull the red button upwards and rotate a quarter turn to secure it.

## 4. Inspection

Please do not pull or push the GFK-rod over sharp edges! Never fall below the minimum bending radius to avoid the GFK-rod of snapping. Always wear working gloves to prevent injuries. Always hold the rod close to the attachment point, otherwise it can break. By reeling the rod in, it should be cleaned using a damp, clean cloth, to prevent dirtying the drum.

### Touch control field



The reel has a digital Meter-Counter which is displayed in the display. The Counter can be reset manually at any time, during the inspection, by touching the reset-field. This is useful if you want to perform a relative measurement. This is possible in both directions.

Please notice that there is a slight tolerance deviation, depending on how good the GFK-rod was rolled up (10% difference).

## 5. Technical data

	Mini-Viper	Combine-Viper	Maxi-Viper
Weight:	1,7 kg	3,1 kg	3,4 kg
Basket diameter:	32 cm	42 cm	42 cm
GFK-rod Ø:	5 mm	6 mm	7 mm
Electric line:	4 x 0,3 mm <sup>2</sup>	6 x 0,5 mm <sup>2</sup>	6 x 0,5 mm <sup>2</sup>
Storage temperature:	_____ -20° C bis +50° C _____		
Operating temperature:	_____ 0 ° C bis +50° C _____		
Meter counting:	Incremental encoder		

# Troubleshooting / Maintenance / Service

## Fault

The device does not turn on.

## Solution

- Maybe the battery is too low? Try again after re-charging. The device needs a basic voltage, so the monitor can be started.
- Check the plug connection to the Camera Head.

Monitor does not charge or started to flicker.

- The charging function is only possible when monitor is switched off. Please switch off the Monitor by pushing the on/off switch to the right.

## Care and service

- Please clean on a regular base. Do not use aggressive cleanser of any kind!
- Please avoid contact with water at all times and of any kind!

**Attention: Warranty is void when camera head or monitor has been open manually.**

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