

PRICE LIST FAT-TESTS



## **Optical Tube** **Page 3**

---

Standard Tests

Optional Tests (orderable)

Star test\* (depending on the weather) **€ 1.280,—**  
    Intra/extra focal images

## **Mount** **Page 4**

---

Standard Tests

Optional Tests (orderable)

Star test\* (depending on the weather and application based)  
    Star tracking 30 min **€ 640,—**  
    SAT tracking (LEO, MEO, GEO) **€ 640,—**  
    24 hours long term test of mounts incl. readout of motor currents **€ 480,—**

## **Telescope System** **Page 5/6**

---

Standard Tests

Optional Tests (orderable)

Star test\* (depending on the weather) **€ 1.280,—**  
    Intra/extra focal images  
    Pointing Model und confirmation of RMS errors

Star test\* (application based)  
    Star tracking 30 min **€ 640,—**  
    SAT tracking (LEO, MEO, GEO) **€ 640,—**  
    Reproducibility of positioning starting from homeposition (GEO) **€ 320,—**  
    24 hours long term test of mounts incl. readout of motor currents **€ 480,—**  
    Telescope movement range **€ 320,—**

\* Included with systems  
> 800 mm aperture

Signature \_\_\_\_\_

Block letters name

# OPTICAL TUBE

## STANDARD TESTS

- Interferometry of the optical surfaces**  
 vermessen der Optiken ✓
- Balance Check of the Tube** ✓
- Tertiary unit check (if available) + optical adjustment** ✓
- Focus test on infinit target** ✓
- Verification of Fokuser travel**  
 (Min/Max, + -, GoTo, Verfahrweg) ✓
- Visual inspection**  
 Screw connections  
 Moving parts  
 Attachments points  
 Electronic/Control  
 Cleanliness ✓
- Functional tests**  
 Electrical Devices/Control
  - Gateway
  - Function of the focuser
  - Cover settings
  - Test Fan function
 ✓



## OPTIONAL TEST

**Star test\*** (depending on the weather)  
 Intra/extra focal images **€ 1.280,-**

\* Included with systems > 800 mm aperture

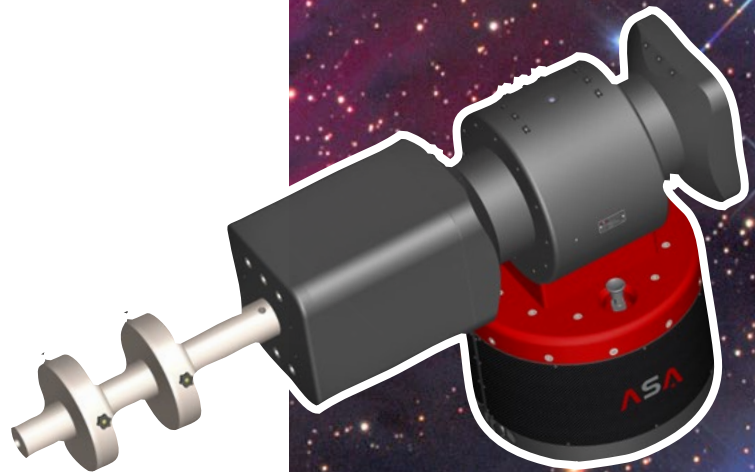


## STANDARD TESTS

**Encoder distances**  
(Throughout the whole movement range) ✓

**Visual inspections**  
Safety features  
Screw connections  
Moving parts  
Attachments points  
Electronic/Control  
Cleanliness ✓

**Functional tests**  
Handling- and maintenance features  
Encoder readout and motor currents  
Movement  
· Rotational range  
· Brake/locking device  
12 hours long term test incl. readout of motor currents  
Safety function  
· Test of the emergency stop switch during operation  
Electrical Devices/Control  
· Control/Switch cabinet  
· Connections  
Additional components (e.g.: Derotator)  
UPS (Uninterruptible power supply) if available ✓



## OPTIONAL TESTS

Star tracking 30 min **€ 640,-**

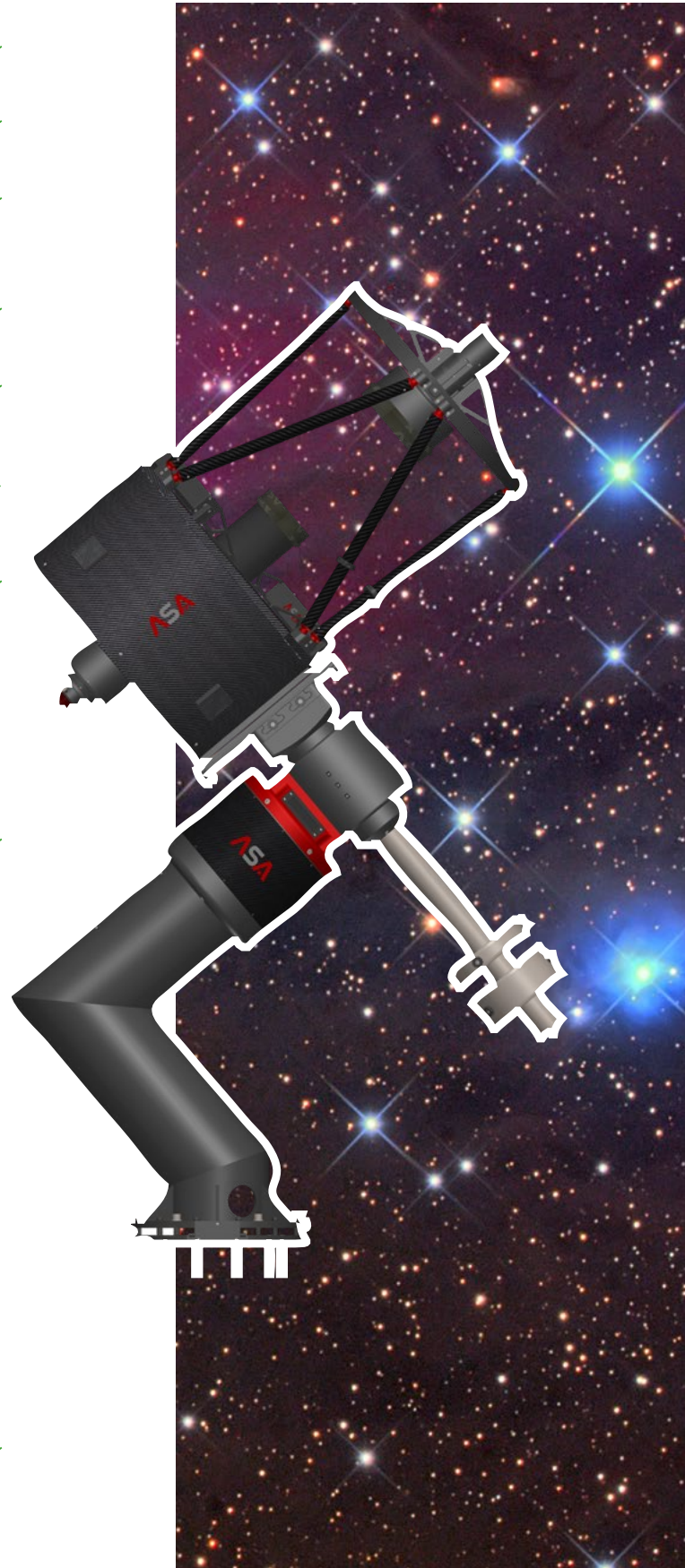
SAT tracking (application based)  
(LEO, MEO, GEO) **€ 640,-**

24 long term test of mounts incl.  
readout of motor currents (e.g.: DDM, etc.) **€ 480,-**

# TELESCOPE SYSTEM

## STANDARD TESTS

<p><b>Determine magnetic angles</b> Axis 1 + Axis 2 + Axis 3</p>	✓
<p><b>Interferometry of the optical system</b></p>	✓
<p><b>Balance check of the system</b></p>	✓
<p><b>Teritary unit check + focus position(s) and optical alignment</b></p>	✓
<p><b>Focus test on infinit target</b></p>	✓
<p><b>Verification of Fucuser travel</b> (Min/Max, + -, GoTo, Travel)</p>	✓
<p><b>Set encoder positions</b> (Throughout the whole movement range)</p>	✓
<p><b>Visual Inspections</b> Safety features Screw connections Moving parts Attachments points Electronic/Control Cleanliness</p>	✓
<p><b>Functional tests</b> Check of handling and maintenance features Check of encoder readout and motor currents Movement <ul style="list-style-type: none"> <li>· Rotational range</li> <li>· Brake/locking device</li> </ul> 12 h long term test + readout of motor currents Safety function <ul style="list-style-type: none"> <li>· Test of the emergency stop switch during operation</li> </ul> Electrical function/control function <ul style="list-style-type: none"> <li>· Control/Switch cabinet</li> <li>· Connections</li> <li>· PID Tuning all axes</li> <li>· Gateway tested</li> <li>· Focuser tested</li> <li>· Cover tested</li> <li>· Tube fans</li> </ul> Additional components (e.g.: Derotator) USP (Uninterruptible Power Supply) if available</p>	✓





# TELESCOPE SYSTEM



## OPTIONAL TESTS

### Star test\* (depending on the weather)

- Intra/extra focal images
- Pointing Model and confirmation of RMS errors

**€ 1.280,-**

### Star test\* (application based)

- Star tracking 30 min
- SAT tracking (LEO, MEO, GEO)
- Reproducibility of pointing starting from homeposition (GEO)

**€ 640,-**

**€ 640,-**

**€ 320,-**

### 24 h long term test of mounts incl. readout of motor currents

**€ 1.280,-**

### Pivot the telescope down to 10 ° above the horizon and check main mirror with the measuring probe

**€ 320,-**

\* Included with systems > 800 mm aperture



**Astro Systeme Austria**  
**Seeing is believing**



ASA Astrosysteme GmbH covers all areas in design and manufacturing of astronomical instruments. We guarantee custom solutions with highest quality and fast delivery times at an unbeatable price performance ratio made in Austria. Our systems are used in all areas of astronomy and sky observations and are considered as reference class on the world market. I am very proud that my long-lasting Vision pursued by me and my team came to life.



*CEO Egon Döberl*

