



**KIPP &  
ZONEN**  
SINCE 1830

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## SOLYS Gear Drive



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Passion for Precision

## SOLYS GD Advantages

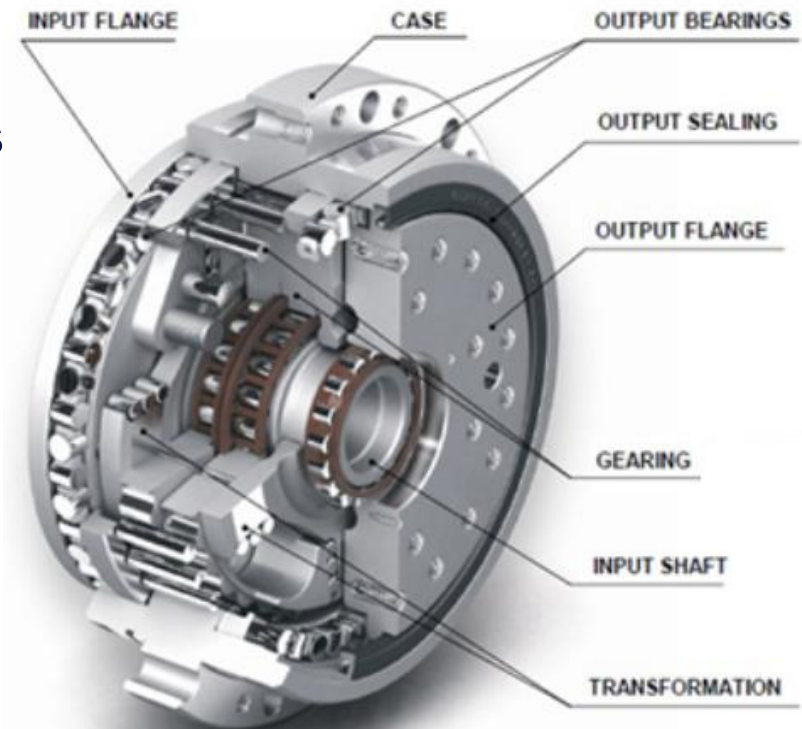
- High load capacity up to 60 kg. (torque 40 Nm)
- Increased temperature range
  - -50°C to +60°C
  - Larger heater (AC only)
  - Cold cover
- Improved communication
  - Protected Ethernet
  - Isolated RS-485
- Replacement of the 2AP
  - Identical accessories to SOLYS 2
  - Adapter for large tripod available ->
- Standard Sun Sensor
- Power identical to SOLYS 2



## SOLYS GD

### Integrated Reduction Drive Advantages

- zero-backlash reduction gears
- high-moment capacity
- excellent positioning accuracy
- high positioning repeatability
- small dimensions and weight
- high reduction ratio
- high efficiency
- long lifetime
- no maintenance



## **SOLYS GD Communication**

- Ethernet and RS-485 interfaces for outdoor use
- Ethernet has fixed IP address or auto IP
- Status information (any deviation from normal operation)
- Solar position; zenith and azimuth angles, Time (GPS)
- Location information, Longitude and Latitude (GPS)
- Reset for changed / lost IP address (via RS-485)
- PC (Win7/8) Software for:
  - storage of data strings from SOLYS GD
  - Set-up of RS-485 interface



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# **Passion for Precision**

in measuring Solar Radiation and Atmospheric Properties

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**Passion for Precision**