

SUN SENSORS AND STAR TRACKING DEVICES



SMALL-SIZE STAR TRACKING SYSTEM (SSTS-B)

(σ) measurement error of internal coordinate system axes angular coordinates in second equatorial coordinate system:

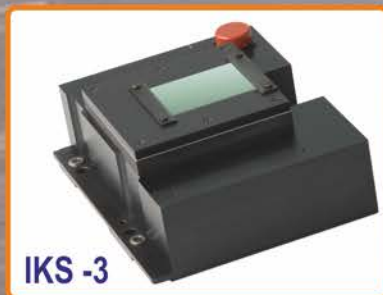
- for OZ axis, arc sec < 2
- for OX and OY axes, arc sec < 15

Sun exposure angle, deg ≥ 30
 Power consumption, W 6
 Data update rate, Hz 10
 Dimensions, mm 314, \varnothing 186
 Weight, kg 3



SUN SENSOR (IKS-2)

Measurement range of solar disk centre coordinates:
 - in coordinate α , deg ± 56
 - in coordinate β , deg ± 42
 Limiting measurement error, arc min 15
 Data update rate, Hz 5
 Power consumption, W 1,5
 Dimensions, mm 159x110x100
 Weight, kg 1,1



SUN SENSOR (IKS-3)

Measurement range of solar disk centre coordinates:
 - in coordinate α , deg ± 56
 - in coordinate β , deg ± 42
 Limiting measurement error, arc min 3
 Data update rate, Hz 5
 Power consumption, W 1,5
 Dimensions, mm 150x130x100
 Weight, kg 1,4



SUN SENSOR (IKS-4)

Measurement range of solar disk centre coordinates:
 - in coordinate α , deg ± 85
 - in coordinate β , deg ± 60
 Limiting measurement error:
 - in angle 170° , arc min 30
 - in angle 120° , arc min 18
 Data update rate, Hz 10
 Power consumption, W 1,5
 Dimensions, mm 100x80x60
 Weight, kg 0,5