

SVS SATELLITE SYSTEMS

SM180-Ro FIXED MOTORIZED ANTENNA SOLUTION

SVS SM180 Receive Only Antenna system is a robust, high performance, efficient and affordable antenna system. SVS Telekom provides the best value antenna solution to the market with competitive prices, the highest quality products and superb engineering support. These antenna is created with more than 15 years experiences.

- 1.8m offset antenna
- Compliant for C Band, Ku Band,X Band feeds
- Constantly technical support
- Galvanized support arm and alignment struts
- Supported by robust mechanic
- Supported by AKS250 antenna controller
- Optionally tracking system with the beacon receiver or DVB tuner card
- Optionally resolver for high sensitivity
- Optionally de-icing system



SVS Telekom presents various antenna system to the market since 1995. As a fixed motorised antenna, SM180 Receive Only Antenna System created a perfect alternative to the customers. SM180 which is supported by AKS250, has excellent movement ability on three axis. SM 180 is used under difficult conditions for many years and at the end of these tests we created perfect matching between SM180 and AKS250 antenna controller.

Key words for SM180-Receive only antenna system

- **High Performance**
- **Robust**
- **Affordable**
- **Efficient**
- **Flexible**
- **Professional**
- **Durable**
- **Constantly Technical Support**



SM180-R0 FIXED MOTORIZED ANTENNA SOLUTION

RF SPECIFICATIONS

	C-Band	Ku-Band
Frequency Band	3.7-4.2 GHz	Rx 10.70-12.75 GHz
Polarization	Linear or Circular	Linear or Circular
Antenna Gain	35.3 dBi	45.5 dBi
Antenna Noise Temperature(30° elevation)	36 K	31 K
Antenna Cross Polarization Isolation	30 dB on Axis	30 dB on Axis
Copolar Sidelobe Envelope	0 dB	0 dB
3 dB Beamwidth	3.0 °	1.0°
VSWR	1:4:1 Max	1.3:1 Max
Feed Interface	CPR 229	WR-75 Flat Flange

MECHANICAL SPECIFICATIONS

Antenna Geometry	Off-Set Feed Prime Focus
Antenna Reflector Effective Aperture	1,8 m
Ports	2 ports
Elevation Range	10°-90°
Azimuth Range	±150°(Optionally ±180°)
Polarization Range	±100°
Weight	200 kg
Reflector Material	Glass Fiber Reinforced Polyester

SPEED

	Minimum	Maksimum
Elevation	0.1°/sec	1.5°/sec
Azimuth	0.1°/sec	1.5°/sec
Polarization	0.5°/sec	13°/sec

ENVIRONMENTAL SPECIFICATION

	Operational	Survival
Wind Load	100km/h	160 km/h
Ambient Temperature	-30°C to +60°C	-40°C to +70°C
Humidity	%0 - %100(Condensing)	%0 - %100(Condensing)