

# Series WTW-LS 20 Tower (IP64)



The portable compact dual axis auto tracking antenna on an extendable Tower.



The WTW LS Tracking Antennas are developed in according to the latest technology to fulfil compactness, last technology, low weight and high efficiency.



This is possible with more than 15 years experienced personal in developing robust and long-lasting mechanics and excellent RF features.



## KEY FEATURES

- Weight (Antenna): appr. 22 kg
- Dimension (Park Position El. 90°): appr. 20" x 16" x 23" (WxDxH)
- Dimension (Transport Position El. 0°): appr. 20" x 15" x 21.25" (WxDxH)
- Polarisation: RHCP und LHCP
- Mode:
  - Auto-, Slave-, Manual-Tracking
- Torque:
  - Az. max. 40 Nm
  - El. max. 50 Nm
- Speed:
  - Az. max. 90°/sec
  - El. max. 60°/sec
- Movement:
  - Az. unlimited (Slipping)
  - El. -5° up to 90°
- operational Windspeed: up to 80 Km/h
- stowed: up to 100mph



The WTW Anlagenbau GmbH is a premium manufacturer for telemetry antennas using the latest technology combined with ultimate performance for **Airplane, Helicopter, Missile and Rocket** test on **Land or Water**.

### Tower:

- Weight: appr. 1180 kg
- Dimension (Park Position El. 90°): appr. 48" x 52" x 112" (WxDxH)
- Maximum height: 8.5m
- Tank volume: 200 L
- 9 kVA Generator

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Series WTW-LS 20 Tower	
Reflector Size	20" x 16" (W x H)
Frequency Range	L-Band und S-Band
Gain	appr. 16 dBi @ 1435 MHz appr. 20 dBi @ 2250 MHz
3dB beam width	appr. 26.5° @ 1435 MHz appr. 16.2° @ 2250 MHz
Velocity Azimuth	max. 90°/sec
Velocity Elevation	max. 60°/sec
Acceleration Azimuth	max. 90°/sec <sup>2</sup>
Acceleration Elevation	max. 60°/sec <sup>2</sup>
Output Torque (max. intermittent)	40 Nm
Elevation Travel	-5° to 90°
Azimuth Travel	unlimited
Power Requirement	appr. 150 W
Temperature	-20°C to +70°C
Humidity	0 to 100%
Windspeed	Up to 80 Km/h
Dimension in Park Position (WxDxH)	48" x 52" x 112"
Tower	
9 kVA Kabota Generator	
Wind tested up 80 Km/h	
Four corner	
Lifting eyes for swift dispatch and unloading	
Compact closed dimensions of just 1330 x 1225 x 2330mm and weighing only 1180kg	
Extra large 200-litre fuel tank - means that the area will stay correctly illuminated for up to 100 hours without the need for refueling	
1.8L of diesel per hour	
Option	
Pedestal for Downconverter, Receiver, Dehydrator	
Feet for mobile Application	
Mobile Hydraulic Tower (up to 12m)	

## National / International Sales / Marketing:

### Tel Data System GmbH

Phone: +49 (0) 81 21 – 41 01 18

Email: [telemetrie@wtw-anlagenbau.de](mailto:telemetrie@wtw-anlagenbau.de)



## WTW Anlagenbau GmbH

Gutenbergstrasse 3

26632 Ihlow-Riepe

Germany

Phone: +49 (0) 4928/914598-0

Fax: +49 (0) 4928/914598-9

Email: [telemetrie@wtw-anlagenbau.de](mailto:telemetrie@wtw-anlagenbau.de)

Web: [www.tracking-antenna.de](http://www.tracking-antenna.de)

## US Sales / Marketing:

### Rampart Defense Solutions LLC

Phone: +1 423.552.7064

Email: [Brenda@rampartds.com](mailto:Brenda@rampartds.com)



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