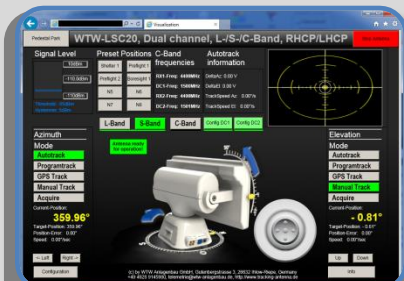


# Series WTW-LS 20 Tower (IP64)



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 30 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

### 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



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**.



# Series WTW-LS 20 Tower (IP64)



## Series WTW-LS 20 Tower

|                                    |  |
|------------------------------------|--|
| Reflector Size                     | 20" x 16" (W x H)                                  |
| Frequency Range                    | L-Band und S-Band                                  |
| Gain                               | appr. 15 dBi @ 1850 MHz<br>appr. 19 dBi @ 2350 MHz |
| 3dB beam width                     | appr. 26.5° @ 1850 MHz<br>appr. 16.2° @ 2350 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 8m)                |

## National / International Sales / Marketing:

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The Power of German Engineering



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