



General Description

The Trimble® MT900 Machine Target offers superior tracking and millimeter grade control accuracy on motor graders and dozers. A rugged 360-degree active target, it was designed specifically for fine grading application with Trimble GCS900 Grade Control Systems and the new Trimble SPS730 and SPS930 Universal Total Stations.

Features & Benefits

- 360-degree ring of infrared tracking LED's allow the Trimble SPS730 or SPS930 Universal Total Station to track the Trimble MT900 from any horizontal location and up to 1:1 or 100% slope. There is no need to reposition the total station to accommodate limited angles.
- 4 visible status LED's allow the operator to easily confirm the target state.
- 16 programmable target ID's means the associated total station will always track the correct machine target, without risk of false target lock. It will not lose productivity by straying to other moving machinery.
- Rugged design endures vibration and temperature extremes to guarantee long-life usage in even the toughest conditions.
- Communication over the industry standard Controller Area Network (CAN) for use with the Trimble Grade Control Systems, so the target can be easily moved from machine to machine, as needed.

Product Specifications

Physical Characteristics

Size:	
Height:	215 mm (8.43")
Diameter:	109 mm (4.29")
Weight:	1.5 kg (3.25 lbs.)
Mounting	
Sensor Mount:	5/8" diameter internal thread mount (centered)
Machine Mount:	Standard Trimble grade control system 3D sensor shock mount bracket with quick release

Environmental Characteristics

Temperature:	
Operating:	-40°C to +80°C (-40°F to +176°F)
Storage:	-40°C to +100°C (-40°F to +212°F)
Humidity:	100%, condensing
Waterproof:	IP67 for submersion to depth of 1 m (3.28 ft)
EMC:	EN13309:2000, CE Mark, C-Tick

Operational Characteristics

Electrical Input Voltage:	10 to 32 VDC, 10W max
Reverse Voltage Protection:	Yes
System Interface:	J1939 CAN network, RS-232 Serial
Horizontal Tracking Angle:	360° (ring of tracking LED's)
Vertical Tracking Angle:	± 45° (from the horizontal)

Specifications

Trimble MT900 Machine Target

Connectors

Network connector: 6 pin bulkhead, sealed

Specifications subject to change without notice.

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