

Data Sheet

AGRICULTURE

February 2019

TRIMBLE RESELLER CONFIDENTIAL

NAV-900 Guidance Controller Data Sheet

Physical	
Dimensions	213 mm (length) x 213 mm (width) x 80 mm (height) 83.9 in (length) x 83.9 in (width) x 31.5 in (height)
Weight	1.2 kilograms (2.6 lbs)
Housing Material	Low-profile, chemical-resistant plastic casing with UV-resistant paint
Electrical	
Power	9 VDC to 16 VDC external power with over-voltage protection on input ports
Power Consumption	5.5 watts 17.5 watts with external accessories connected
Power Out	12 VDC (nominal), 1 amp limit for external radio = 12 watts
Connectors	
To Display	M12 4-pin connector
To External Radio	M12 5-pin connector
For I/O	Deutsch 12-pin connector
Operational Range	
Operating Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Humidity	Up to 100%, condensing
Ingress Protection	IP66, dustproof, waterproof, IPx9K
Communication and I/O	
Bluetooth®	Version 4.1, enabled
Serial Ports	1 Tx/Rx, 1 Tx only
CAN Ports	2
BroadR-Reach® Port	1
Digital Out	Sonalert
Analog In	Remote engage
NMEA Output	1, 5, 10, Hz

<http://agpartners.trimble.com>

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Inertial Measurement Unit (IMU)	
Gyroscope	3-axis, 200 Hz
Accelerometer	3-axis, 200 Hz
GNSS Receiver Specifications	
Satellite Signals	<ul style="list-style-type: none"> • GPS: L1 C/A, L2C, L2E, L5 • GLONASS: L1 C/A, L1P, L2 C/A, L2P, L3 CDMA • Galileo: E1, E5AltBOC • BeiDou (COMPASS): B1, B2
Satellite Corrections	CenterPoint® RTX Fast, CenterPoint RTX, RangePoint® RTX, SBAS (WAAS, EGNOS, MSAS), xFill
Land-Based Corrections	CenterPoint RTK, CenterPoint VRS
Correction Formats	CMR+, sCMR+, sCMR+ with SecureRTK, CMRx, RTCM 3.0, RTCM 3.1, RTCM 3.2
Guidance	
Electric	Autopilot™ Motor Drive (APMD)
Guidance Ready	CANBus J1939
Hydraulic	External NAV III Autopilot

For More Information

Contact your local Trimble Regional Sales Manager.