

AGM-1 Guidance Receiver



Durable Manual Guidance

Designed to suit virtually any agricultural machine type, make and model; the Topcon AGM-1 receiver provides flexible manual guidance in a compact and durable form.

FEATURES

- Scalable accuracy – Autonomous and SBAS (WAAS, EGNOS, and MSAS)
- Interface flexibility – Topcon X-Family consoles, NMEA0183 and NMEA2000
- High durability – IP69K
- TruPass™ advanced positioning technology for higher, more stable pass-to-pass accuracies in dynamic applications

PHYSICAL

Housing	PBT + PC Alloy housing with good chemical and UV resistance
Dimensions (h x w x d)	130.4 x 141.4 x 53 mm
Weight	250 g
LEDs	1 tri-color satellite status
Mounting	4 * M4
Connector	Deutsch DT12

ENVIRONMENTAL

Operating temperature	-30°C to 60°C (-22°F to 140°F)
Storage temperature	-40°C to 80°C (-40°F to 176°F)
Ingress protection	IPX7 and IP69K
Vibration	ISO 15003/DIN 10046 PART 8
Shock	ISO 15003/DIN 40046
Salt Spray Test	ISO 15003
Humidity	95%, non-condensing
Certification	CE, FCC, RED, & RCM

POWER

Input voltage	9-16 VDC
Consumption	<3 W

COMMUNICATION INTERFACES

RS-232 interface	2 serial ports
CAN interface	1 CAN port (No internal termination)
PPS/EVENT	Yes. Shared with second serial port
Power on switch signal (timer enable)	Yes

TRACKING SPECIFICATIONS

Standard Channels	224 universal channels	
Tracked Signals	GPS L1/L2	BeiDou
	GLONASS L1/L2	QZSS
	GALILEO E1	
Differential correction signal	SBAS (WAAS, EGNOS, & MSAS)	
Cold Start	60 sec (standalone)	
Warm Start	10 sec (standalone)	
Reacquisition	<1 sec	
Digital navigation part	Paradigm 3.5	

DATA FEATURES

Format	Topcon GRIL, NMEA0183, NMEA2000
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