



AES-35
ACCURATE ELECTRIC
STEERING SYSTEM



Electrical	
Supply Voltage	9 to 16 VDC
Certification Mark	E-Mark, CE, FCC, RCM
Over-voltage protection	ISO 15003-5.14.2
Reverse Polarity	ISO 15003-5.14.3
Battery-less Operation	ISO 15003-5.14.5
Short circuit protection	ISO 15003-5.14.4
Inductive load switching	ISO 7637-2 – 5.6.3
Cranking / Load Dump	ISO 16750-2
Power interruption	ISO 7637-2
ESD	ISO 10605
Radiated emissions / Conducted emissions	CISPR25
E-field susceptibility	ASAE EP455
RF Immunity	2009/64/EC, ISO 14982
Electrical	
Operating temp	-20°C to 70°C
Storage temp	-40°C to 85°C
Temperature shock	IEC 60068-2-14
Dust/Water Rating	IP65
Vibration sine	ISO 15003(2006)-5.6.2
Vibration random	ISO 15003(2006)-5.6.1
Shock test	ISO 15003(2006)-5.5.2
Drop test	IEC 60068-2-31
Damp heat	ISO 15003
Chemical resistance	ISO 15003-5.10
Accelerated weathering	ISO 15003-5.11
Corrosive atmosphere	ISO 15003-5.7
Inputs/Outputs	
Communication	1x CAN-BUS interface 1x RS-232 interface
Inputs	2x Auxiliary 1x Wheel angle sensor 1x Remote engage 1x Seat switch
Physical	
Housing	Die cast aluminum UV protected enclosure.
Connectors	1x 12 Pin Souriau connector
LEDs	1x System status LED
Switches	1x Power switch
Weight	6 kg
Dimensions	Outer Diameter: 406 mm Inner Diameter: 200 mm Total Width: 125.7 mm Motor Width: 66 mm

Industry Leading Electric Steering System



- Universal compatibility
- Weatherproof design, perfect for open-cab environments
- Robust functionality
- Easy-to-install and easy-to-use system

Building upon the time- and field-proven AES-25, the AES-35 Accurate Electric Steering System takes retrofit autosteering to the next level. Now weatherproof and fully capable in open-cab environments, coupled with a low profile OEM design and boosted high peak torque motor, the AES-35 offers hydraulic performance in a universal, electric package.

Any Operation, Any Machine

Suited for virtually any agricultural machine on the market, including tractors, sprayers, spreaders, swathers, and combines, the AES-35 is the ideal solution for non-steer-ready setups. Compatible with all Topcon consoles and steering receivers, it is also easily transferable between machines for reduced operating costs.

Precise Control

Not only is the AES-35 easy to install and easy to calibrate, it offers industry leading performance. With a high-torque electric motor offering both forward and reverse, precise high/low speed electric performance, RTK positioning accuracy capability (2 cm repeatability, pass-to-pass), and optional Wheel Angle Sensor for improved performance, it can handle any situation requiring precision autosteering. Plus, now IP65 rated and power-wash protected, the AES-35 can perform in nearly any environment, even open-cab scenarios.



For more information:
topconpositioning.com/AES35

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