

MTS12-XCMG – PIPE JACKING CONTROL AND TELEMETRY MODULE



- Specially developed for operation in harsh environments, such as those found inside pipe jacking shields.
- Stainless steel enclosure fully encapsulated with epoxy resin, providing high resistance to vibration, moisture, and water ingress.
- Communication with the control console through a single 9-core shielded cable, using low-cost nationally manufactured cables and connectors with easy replacement availability.
- Inputs for up to 3 TPC-720 cameras.
- Inputs for up to 4 hydraulic cylinder position sensors.
- Inputs for up to 2 analog 4–20 mA sensors (optional).
- Inputs for up to 6 PNP inductive sensors (bypass open, bypass closed, etc.).
- Dedicated PNP sensor input for RPM measurement (subject to technical feasibility of the sensing point).
- All sensor inputs use shielded M12 connectors with IP68 protection rating.
- Outputs for up to 13 hydraulic solenoid valves through DEUTSCH IP68 connectors.

TECHNICAL SPECIFICATIONS

Power Supply	: 20 ~ 28 Vdc
Approximate Idle Current Consumption	: 200 mA (up to 5 A peak)
Dimensions	: 235 x 130 x 55 mm