FEATURES	TXMINI-M12
Sensor input	Configurable. The accepted sensors are listed in **Table 2**, with their respective maximum measurement ranges. **Pt100**: 3-wire type, 0.8 mA excitation, α = 0.00384, according to NBR 13773. IEC 60751 (ITS-90). **Pt1000**: 3-wire type, 0.8 mA excitation, α = 0.00384, according to NBR 13773. IEC 60751 (ITS-90). To use 2-wire Pt1000, connect terminals 3 and 4.
Time between energizing and stabilizing the measurement	< 2.5 s. Accuracy is only guaranteed after 15 minutes.
Reference conditions	Environment: 25 °C (77 °F). Power supply: 24 V. Load: 250 Ω. Stabilization time: 15 minutes.
Temperature influence	< ± 0.2 % / 25 °C (77 °C).
Response time	Typically, 1.6 s.
Maximum acceptable voltage at the input terminals on the sensor	3 V.
RTD Current	800 μA.
Effect of RTD cable resistance	0.005 °C / Ω.
Maximum admissible resistance of RTD cable	25 Ω.
Power supply influence	0.006 % / V typically (maximum range percentage).
Output	4-20 mA or 20-4 mA current, 2-wire type. Linear in relation to the temperature measured by the selected sensor.
Output resolution	2 μA.
Power supply	8 to 35 Vdc.
Maximum load (RL)	RL (max.) = (Vdc – 8) / 0.02 [Ω]. Where: Vdc = Power supply in Volts (from 8 to 35 Vdc).
Operating temperature	-40 to 85 °C (-40 to 185 °F).
Environment humidity	0 to 90 % RH.
Wire size used:	0.14 to 1.5 mm².
Recommended torque	0.8 Nm.
Housing	Polyamide.
No electrical isolation between input and output.	
Internal protection against reversal polarity of voltage supply.	