



Advanced Fuel Security,
Empowering Your Business

TR21 Product Datasheet



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Model	TR21
Dimensions	Ø135 mm × 675 mm
For Fuel Necks	Ø105 mm Outer · Ø80 mm Inner
Height From Fuel Neck	375 mm
Weight	400 g
Material	PA6-GF30
Sealing Material	FPM
Lock	5 Lamella
Lock Barrel Salt Spray Test	96h (ASTM b117)
Operating Temperature	-30 °C to 80 °C (Device withstands temperatures down to -30 °C and resumes full functionality once temperatures normalize. Under freezing conditions, ice formation may occur at the cap-to-neck interface, making cap removal more difficult.)
Battery	LS14500 · 2600mAh
Battery Life	Up to 5 years
Communication	BLE 5.2 · Nordic nRF52811 Pairing Mode Available Beacon Mode Available
Ping Interval	10 s
Event Interval	Immediate
Event Types	Cap Open / Close · Tamper Detection
LED Indication	20 ms - 10 s Interval
Sensor Methodology	3 Different Sensors
Max. Antenna Output Power	4 dBm
RF Receiver Accuracy	-97 dB
Certification	CE
Test Standards	EN55032 · EN61000-4-2 · EN61000-4-8 · EN61000-4-3