



Advanced Fuel Security,
Empowering Your Business

TR55 Smart Fuel Cap Datasheet



info@trakfuel.com | www.trakfuel.com

Dimensions	43 mm × 40 mm × 10 mm
Side profile thickness	5 mm
Keychain hole diameter	Ø4 mm
Weight	12 g
Mounting	Keychain attachment
Ingress protection	IP67
Protection	Protection against dust and temporary water immersion
Operating temperature	-20°C to +60°C
Material	Polymer
Battery type	CR2032 (UN 3091 – Lithium metal batteries contained in equipment)
Battery life	Up to five years, depending on usage and trigger frequency
Low battery warning	Below 20%
Low battery transmission	Automatic hardware-triggered broadcast
Rechargeable	No
Replaceable	No
Technology	2.4 GHz wireless broadcast technology
Sleep mode	In sleep mode before use; activated by PushTrust Button press
Idle state	Always active continuous broadcast after initial power-up
Signal interval	Every 4000 ms / four seconds
PushTrust signal	Immediate signal for fueling authentication
Total broadcasts	Three distinct broadcast modes: Idle, Event, and Low Battery
Broadcast 1	Continuous identity broadcast, uninterrupted by the other broadcasts
Broadcast 2	Fueling authentication broadcast, triggered by PushTrust Button press
Broadcast 3	Low battery broadcast, sent automatically when the battery is low