



Semi Passive UHF Temperature Logger Tag TS01

Product Description		Semi Passive UHF Temperatur Logger TS 01	
<p>This product family is the ideal portfolio of RFID enabled loggers for temperature-sensitive products that may be damaged when exposed to improper temperature ranges during shipment and storage. Especially indicated for food and pharmaceuticals, the RFID loggers are well suited also for chemicals and special industrial products.</p> <p>Temperature loggers enable a new era of Cold Chain Management Solutions. Track & Trace solutions based on EPCGlobal UHF RFID standards can be combined with environmental monitoring and shelf life prediction capabilities. tags can be read and configured using a standard EPCGlobal compliant RFID reader without the needs of special commands or devices.</p>			
Electrical Characteristics			
Device type	Class 1 Generation 2 passive UHF RFID transponder		
Air interface protocol	EPCGlobal Class1 Gen2 ISO 18000-6C		
Operating Frequency	860 MHz - 930 MHz		
Data points	up to 8000		
Memory Size	Up to 512 bits in EPC bank, up to 512 bits in User Memory bank		
Alarms	User-configurable high temperature and low temperature alarms		
Thermal & Environmental Characteristics			
Temperature accuracy	±0.1°C typical, ±0.75°C maximum		
Operating Temperature	-20°C up to +70°C (normal range) -40°C up to +85°C (extended range)		
IP classification	IP67 Complete protection against dust Protection against continuous immersion in water		
RoHs Compliance	YES		
Physical Characteristics			
Available Shape	135x23x11 mm3		
Weather ability	Good		
Impact resistance	Good		
Battery life	Up to 3 years normal version Up to 5 years extended version		
Weight	35gr		
Article no:			
Article no:	3 Years version	TS 01 N	
	5 Years version	TS 01 E	
Typical Applications			
Fresh food (fruit, vegetables)			
Seafood			
Milk-based products			
Meat and poultry			
Frozen food			
Chemical/pharmaceutical products			