

Pipe Trak

The Pipe Trak tag was designed specifically to track pipe in the Oil and Gas industry. the Pipe Trak tag is ideally suited for track and trace of difficult to tag cylindrical assets, its robust carrying case and attachment system enables it to withstand the harsh environments associated with the high temperature and high pressure.

APPLICATIONS

- Pipe tracking
- Cylindrical assets
- Oil and Gas, Mining, Construction

FEATURES

- Small form factor
- High durability
- Withstands harsh environments



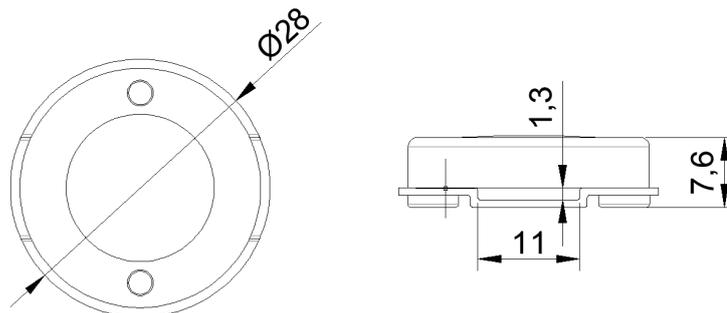
RF Specifications

RF protocol	ISO18000-6C, EPC Class 1 Gen2	
Operating frequency	865-868MHz (EMEA); 920-925MHz (CN, US)	
Chip type	UCODE 8	Higgs 3
Memory configuration	128-Bits EPC 48-Bits Unique TID	96-Bits EPC (extensible to 480b) 512-Bits User 64-Bits Unique TID
Data retention	50 years at operation temperature	
Read range on metal (2W ERP) ¹	Up to 2M (6.6 ft)	
Read range off metal (2W ERP) ¹	Limited	
Polarization	Linear	

¹Read ranges are achieved by lab testing methodology, read range will vary with output power of reader and applications.

Physical Specifications

Material	Stainless steel with epoxy
Color	Metallic
Dimensions	ø28 x 7.6mm ±0.2mm (ø1.1 x 0.3 in ±0.008)
Weight	0.88 oz (25 g)



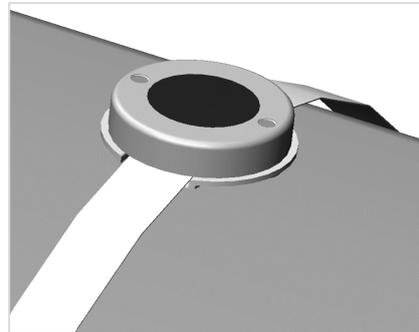
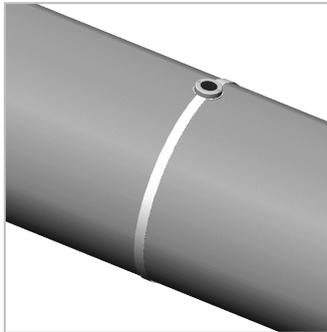
Operational and Environmental Specifications

Operational temperature	-40°F (-40°C) to +185°F (+85°C)
Survivability temperature	-48°F (-40°C) to +302°F (+150°C)
Operational humidity	5% to 95% non-condensing
IP Rating	IP68, at 20°C, 6.6 ft (2 m) 24 hours tested
Shock and Vibration	MIL STD 810-G
Drop spec	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range
Chemical resistance: ²	No significant changes after ² :
<ul style="list-style-type: none"> • Motor oil exposure • Salt water (salinity 15%) exposure • Sulfuric acid (10%, pH 2) exposure • NaOH (10%, pH 13) exposure 	<ul style="list-style-type: none"> • 168 hours • 48 hours • 48 hours • 48 hours

²The chemical resistance is based on the concentration of solutions and application environment, please contact us for further details on chemical.

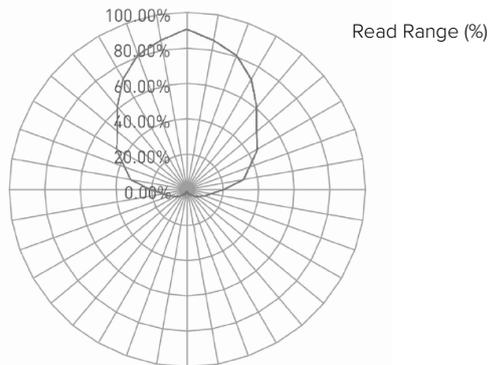
Mounting System

Mechanical fixings	<ul style="list-style-type: none"> • Cable ties • Welding
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Radiation Pattern

On metal



Order Information

WJT-C0811-1	Pipe Trak EU
WJT-C0811-2	Pipe Trak CN/US

OTHERS

Options	Laser engraving, Per-Encoding
Warranty	1 year

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience and the pictures and illustrations presented in this document are for illustration purposes only. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use.

