



# SM-30D FRAC tag with RFID

Abrasion Resistant • Chemical & Solvent Resistant • Harsh Environment • High Temperature

## Technical Data Sheet

Part: #WF- SM-30D

### General Description

#### SM-30D FRAC Tag with RFID Technology



The FRAC tag has RFID technology embedded in solid vulcanized rubber, making it extremely impact resistant, waterproof and durable. The tag is perfect for harsh outdoor environments encountered by industries like oil and gas. Use it for tagging pipes, factory equipment and other valuable assets. The 3/16th inch braided stainless- steel nylon- coated attachment cable comes in a variety of lengths, making this a highly adaptable tag that can be securely fastened to a variety of items.

#### Impact Resistant RFID

The core of this metal- mount RFID tag is a small rugged circuit board with a metal wire antenna. This patent- pending process allows for embeddable RFID tags that are extremely durable. The WF- SM-30D has been tested for use in harsh environments where impact, pressure and/ or abrasion are likely.

Click [here](#) to see a short video of this impact- resistant tag in action!

*This tag has been certified by the Oil and Gas RFID Solution Group.*

- Best harsh environment RFID tag
- Attaches with 3/16th inch braided stainless- steel nylon- coated cable
- Fast attachment using precrimped locking end
- Excellent read/ write performance on any surface

### Applications

Container Tagging, Vehicle/ Fleet Marking, Outdoor Use, Harsh Environments, Oil, Gas, Water Pipelines

### Material Description

#### WF- SM-30D FRAC RFID Tag

Dimensions:	5.5" x 0.8" x 0.45"
Available Colors:	Tire Rubber Black
Operating Temperature:	-40°F to 158 °F (-40 °C to 70 °C)
Survival Temperature:	-60 °F to 203 °F (-51 °C to 95 °C)
Water Resistance:	Excellent
Solvent Resistance:	Excellent
Abrasion Resistance:	Excellent
Impact Resistance:	Excellent

## RFID Performance

Providing products with relevant frequencies to different countries or regions

RFID Protocol:	UHF EPC Class 1 Generation 2
Tag Type:	Passive Read/ Write
Read Range:	Up to 30 feet
Frequency Range:	860 ~ 960 MHz (Global)
IC	Alien Higgs 3 - 480 Bits

## Adhesive

**Mechanical attachment with 3/16th inch braided stainless- steel nylon- coated cable**

Mechanical attachment with 3/16th inch braided stainless- steel nylon- coated cable

## Shelf life

**Stored at 70°F / 50% Relative Humidity**

2 years

