

# M30 RFID UHF

## Cylindrical antenna



The BLUEBOX M30 **UHF** has a **circular polarized** antenna. It can be easily and flexibly mounted into any M30 connector. Its rugged design guarantees total protection against dust and the effect of immersion.

M30 Cylindrical Antenna is available in two designs: A straight mounted version, and a 90° angled connection one.

It is a compact and economical solution for various applications such as industrial automation, access control, asset tracking, supply chain

### Key features

- Stainless Steel & PC Housing
- Up to 20cm reading distance
- IP67 rated

### Applications

- Industrial Automation
- Supply Chain
- Asset Tracking
- Access Control

### Functional specifications

Type	UHF
Operating Frequencies	865 - 868 MHz (EU) 902 - 928 MHz (US)
Supported Standards / Tags	ISO18000-6B ISO18000-6C EPC Class 1 Gen 2
Antenna Gain	-8dBic
Antenna Connector	TNC (Female)
Polarization	Circular
Beamwidth	100° / 170°
Axial Ratio	< 1.5dB
Operating Distance	Up to 20cm (Reading distance depends on tag, antenna and environmental conditions)

### Physical specifications

Dimensions / Weight	M30 x 60mm M30 x 53mm (90° Version)
Material	Stainless Steel + PC
Weight	250g 200g (90° Version)

### Environmental and industry compliance

Enclosure rating	IP67
Storage Temperature	-20°C ~ +55°C
Operating Temperature	-20°C ~ +65°C
Humidity	5 % to 95 %