

# MarkTag HD

DATASHEET

The 1455/1456 MarkTag HD is a read-only 2.45 GHz heavy duty RFID-tag, where the tag-ID is set to a unique 8 digit number.



## KEY FEATURES

- ▶ Semi passiv with long read-range
- ▶ IP67
- ▶ Licence-free worldwide
- ▶ RoHS
- ▶ Unique identity

MarkTag Outdoor is a read only 2.45 GHz ID-tag. The tag is specially designed for outdoor environments and is the standard choice for applications where there is no need to write information to the ID-tag. The MarkTag Outdoor is made for outside mounting on a vehicle/object and can be mounted directly on to metal surfaces. The ID-tag is robust, vibration resistant, waterproof and UV stable. The ID-tag has a pre-programmed 8-digit unique identity code from factory that comprises a 32 bit checksum for automatic verification. This eliminates substitution errors even with several ID-tags identified simultaneously.

The ID-tag is semi-passive, battery powered, for instantaneous reflection of the Reader's signal. The battery lifetime is +6 years.

## PART NO. INFORMATION

MarkTag HD	145602
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## TECHNICAL INFORMATION

<b>Read range</b>	Up to 10 metres* (30 ft)
<b>Operating frequency</b>	CW: 2.435 to 2.465 GHz
<b>Dimensions</b>	91 x 59 x 8 mm (3.6 x 2.3 x 0.3 inch)
<b>Weight</b>	60 g (0.1 lbs)
<b>Battery lifetime</b>	Typically +6 years. Lifetime is dependent on temperature
<b>Colour</b>	Black
<b>Encapsulation</b>	Robust Polymer
<b>Operating temperature</b>	-40°C (-40°F) to +85°C (+185°F)
<b>Ingress Protection</b>	IP67
<b>Certifications</b>	CE Certificate according to R&TTE-Directive 1999/5/EC, Annex IV, Health: 1999/519/EC, El.Safety: EN 60950, EMC: EN 301489-3:2000, EN 300 440:2001

\* Reading range depends on type of reader and settings. Mounting: standard M4, rivets or adhesive tape.