

# UHF ARCH

## Arch system for UHF identification on the soil side

S-UHF-ARCH-101



### Product info

- Perfect solution to read textiles moving on conveyors on the soil side
- Adjustable width - Fits conveyors up to 1.2 meter wide
- Very high reading accuracy
- Can be configured as a totally autonomous reading point.
- The optional tricolour stack light provides factory floor operators with immediate feedback regarding its operation.

### Product Description

The Datamars UHF Arch 101 is a reading system designed to read textiles moving on conveyors on the soil side, typically between the trolley's unloading and the sorting area of the laundry. It's adjustable in width to adapt to the dimension of almost any conveyor (up to 1.2m wide). It's the ideal reading point to instantaneously provide the laundry operations with accurate data regarding which customers have returned soil textiles and how to parametrize their upcoming washing programs. Its very high reading accuracy in combination with the S-UHF-PORTAL-201 it provides a very accurate Soil-IN count for precise inventory management. It's usually configured as a continuous reading point but optionally can be triggered by an external event, such as sensor or conveyor movement. The antennas can easily be oriented to optimize the reading area based on the various mechanical situations.

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### Technical data

External dimensions (L x W x H)	1200x1200x300mm
Weight	approx. 10 kg
RFID compliances	ISO/IEC 18000-6C EPC Class I Gen 2 ETSI EN 302 208 (865 – 868 MHz) FCC part 15.247 (902 – 928 MHz)
Interface	10/100 Mbps Ethernet, RJ-45 connector
Default data format	24 characters EPC (HEX format) followed by CRLF (Carriage Return Line Feed) characters
Operating voltage range	Power over Ethernet (PoE) IEEE 802.3af Power over Ethernet (PoE+) IEEE 802.3at AC-DC power supply unit rated 24VDC/2.1A
Maximum power consumption	30 W (PoE+)
Operating temperature	0°C to +40°C (32°F to +104°F), non-condensing

### Ordering information

S-UHF-ARCH-101 (ETSI)	800 3075-881
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The kit includes everything needed to equip the reading station (light weight Installation structure, 1pc UHF-Reader, 2pcs Long-Range Antennas with 3m cables, 2pcs Adjustable mounting brackets).

### Optional accessories

A-UHF-CAB-2-MT-FT	400 3075-306 (2 meters extension cable)
A-UHF-CAB-5-MT-FT	400 3075-253 (5 meters extension cable)