AVX Reader
Vandalproof proximity reader

Identification & Security

▶ Access Control

))) *The AVX is the perfect vandalproof proximity reader for your identification and access control requirements in hostile environment.*

))) *The electronics is potted in a 15/10th thick stainless steel casing, supplied with security screws for strong mounting.*

▶▶ Features

Rugged and resistant

The AVX has an incredible strength with its strong casing design and the potted electronics. It can be used both indoor and outdoor.

Integration

With various standard communication interfaces and protocols, the AVX will be immediately compatible and easy to integrate with your existing access control systems.

Easy installation

The AVX is very easy to install and only requires the 4 security screws that are supplied.

Performances

Excellent reading speed and distance** : up to 5 cm and detection in less than 50ms.

Design

The reader is one of the rare visible parts of an access control system. Its look must then be taken very seriously. We are very aware of that and at STid we not only provide performing products, but also nicely designed ones to fit in your environments.

Specifications

▶ **Frequency :** 125 kHz

▶ **Mode :** read only

▶ **Reading Distances** :** up to 5 cm

▶ **Dimensions :** 105 x 95 x 18 mm

▶ **Interfaces :** TTL, RS232, RS485

▶ **Protocols :** Clock/Data, Wiegand, Serial

▶ **Power supply :** 12V

▶ **Protection :** IP 65 (face)

▶ **Chip technology :** EM

▶ *Technology*

μem

Turning RFID into reality

STid
Electronic Identification

AVX Reader
Vandalproof proximity reader

125 kHz

Applications

- Corporate access control
- Tough environment identification

▶ Specifications

Operating Frequency :
125 kHz
Mode :
Read Only
Reading distances :
typ. 5 cm with a card (3 cm with a key holder)
Communication Interfaces :
TTL open collector output with Data/clock and Wiegand
protocols; RS485; RS232.
(contact us for detailed specifications)
Connection :
Screw terminal (5 to 8 wires)
Led :
Bicolor - host driven
Internal beeper :
Automatic read indicator, can be deactivated.
Power supply :
12 VDC (10.5-15V)
Power requirement :
100 mA - 125 mA typ.
Material :
Brushed stainless steel, thickness 15/10th.
Dimensions :
100 x 95 x 18 mm
Operating Temperatures :
- 20°C to + 70°C - indoor & outdoor use.
Protection :
IP 65 (face)
Mounting :
Wall mount

Part number :
AVX-R1x-A/E01-yy/5
x: 1=TTL / 2=RS232 / 3=RS485
yy : protocol model

CE

Caution : information on reading distances depend on local installation conditions, the transponder size and type, and the power supply specifications.
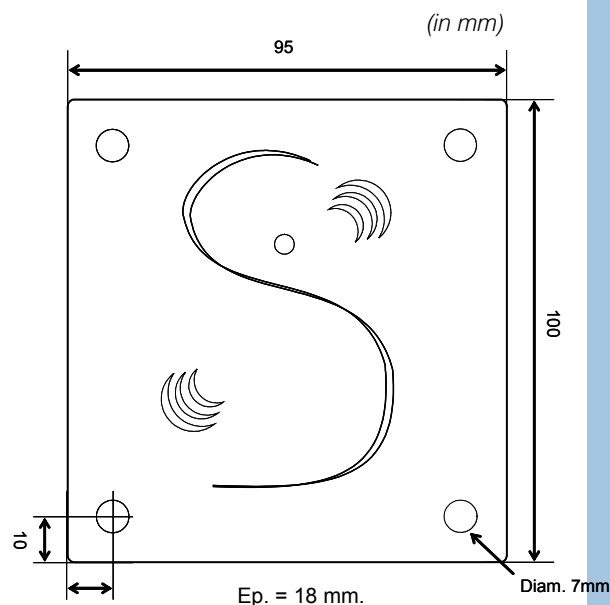
Dimensions

(in mm)

95

100

10

Ep. = 18 mm.

Diam. 7mm

The 4 points installation security screws are supplied

The AVX can be used with a wide variety of contactless cards and tags.

▶ 125 kHz Proximity Readers

LXM	LXE	LXS	AVX	LCI

▶ Long Range

L50/51	MLT

Turning RFID into reality

STid
Electronic Identification

V1.02 - US