

trovan® RF-Identification System The LID 650 Reader



integrated in housing

Technical data:

Dimensions:

Board: 100 x 58 x 16 mm
Housing: 190 x 75 x 55 mm

Antenna: The antenna field should not be bigger than 300 x 300 mm. (Single coil antenna)

Transmitter
Frequency: 125 kHz / 134,5 kHz
Reading rate: 24 ms

Memory: 6.400 Codes or
3.200 Codes with date/ time

Voltage: 12 V DC linear
Max. 12 VDC +5%

Power consumption: 300-500 mA (depends on the antenna type)

Interfaces: RS 232, (8, n, 1), RS 485
Data rate: 1.200 to 57.600 Baud
Data protocol: ASCII or HEX

Outputs: Relay

Options: Memory expansion
12800 Codes or
6400 Codes with time/date,
real-time clock with lithium
battery

This reading system decodes passive trovan®-Transponders. With single coil antennas also ISO-FDX-B Transponders can be read.

It has a RS232 and RS485 interface to communicate with a computer.

The OEM-Board is delivered as a module without housing. Optionally an integration in a housing is possible.

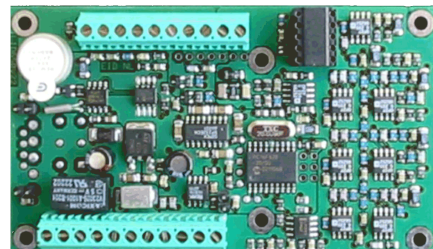
The reader comes together with a Windows-Software which allows parameter setting as well as memory management.

The reader has an internal memory to store the codes.

With the RS 485 interface also a live monitoring system with up to 32 readers in a network is possible.

The reading distance depends on the size of transponder and antenna.

Electrical interference (e.g. from VGA-Displays, frequency converters, switching power supplies, metal, etc.) and/or bad orientation of the transponder in the field reduce these values.



without housing



Technical data:

ANTC40



ANTC40 (TMC613 antenna driver is needed):

- Dimensions:
- Inside: ø 40 mm
- Outside: 100 x 60 mm
- Weight: 100 g
- Colour: RAL7016, UL94-V0
- Protection class: IP67
- Standard
cable length: 4 m

ANT610F



ANT 610F (Multi Coil) :

- Dimensions: 225 x 177 x 31 mm
- Weight: 700g / 1,5 kg (depending on protection class)
- Material: High impact polystyrene (HIPS)
- Colour: RAL7016, UL94-V0
- Protection class: IP54, optional IP68
- Standard
cable length: 4 m

ANT612



ANT612 (Multi Coil):

- Dimensions: 475 x 400 x 40 mm
- Weight: 3 kg
- Material: High impact polystyrene (HIPS)
- Colour: RAL7016, UL94-V0
- Protection class: IP65, optional IP68
- Standard
cable length: 4 m

ANTC100



ANTC100 (TMC613 antenna driver is needed):

- Diameter
- Inside: 100 mm
- Outside: 125 mm
- Height: 20 mm
- Weight: 140 g
- Protection class: IP 68
- Standard
cable length: 4 m

More antennas on request

Reading distances with LID650:

Transponder	Reading distance in (mm)			
	ANTC40	ANT610F	ANT612	ANTC100
ID 100	60	180	350	100
ID 200	120	280	500	170
ID 1000/12	100	200	400	120
ID 400	270	420	800	310

optimal orientation, no interferences, battery use, (may be lower depending on power supply.)