

STX 1000

RFID reader for vehicle weighing systems



Solid casing
made of aluminium

Signal diodes

RS 232/RS 485 2W
with 1 kV optoisolation,
4 digital inputs and 4 digital outputs



Clear confirmation when
weighing procedure is completed

A beep signals
reading out of the transponder

RFID transponder read-out

STX 1000 Reader

Designed to operate in industrial settings

TECHNICAL SPECIFICATION

CATEGORY	PARAMETER
COMMUNICATION INTERFACE	
Serial Interface	RS 232 (Rx, Tx, GND), RS 485 2W
Baudrate	9600, 19200, 57600, 115200 bps
Data Bits	8
Stop Bits	1
Parity	None
Flow control	None
Serial line protection	Yes (1 kV)
CHARACTERISTIC	
Housing	Aluminium
IP Rating	IP 65
Weight	1 kg
Housing dimensions (without cable connector) (Height/Width/Depth)	160/100/80 mm
Power requirements	12-24 VDC (power consumption max. 1A)
Signals LEDs	Power, RFID read
Extension card mounted inside the reader enclosure	4 inputs, 4 outputs (with mounted relays)
Relays on extension card (NO+NC+COM)	Max. 24 VAC/DC, 2A, 60W
Type of read out transponders	UNIQUE 125 kHz
Effective distance to read transponder	A few centimeters
Amount of cable connectors	2,4
Material of cable connectors	Nickel-plated brass
Cable connector for cable diameter	To 12mm
ENVIRONMENTAL LIMITS AND CONFORMITY TO STANDARDS	
Storage temperature	From -30 to +70 C
Operating temperature	From -20 to +60 C
Ambient Relative Humidity	< 95% (non-condensing)
Electromagnetic compatibility	CE
POSSIBILITY OF TRANSMISSION PROTOCOL	
1. Illuminate the "OK" sign	5. Read device status
2. Control digital outputs	6. Setting up device number
3. Read the state of digital inputs	7. Setting up brightness of the "OK" sign
4. Read the number of RFID transponder	8. Setting up level of sound
ORDERING INFORMATION	
PRODUCT	ORDERING KEY
STX 1000	HDW-STX-1000

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