STX 2000

RFID reader for vehicle weighing systems

2000
STX

Solid casing
made of aluminium

Clear graphic display

Numeric keypad to log in
with a PIN code and/or to
select a product to be weighed

A beep signals
the reading-out
of the RFID transponder

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

Integrated heating diodes to allow
for operation in sub-zero conditions

Additional serial port to operate
e.g. an external LED display

STX 2000 Reader

Designed to operate in industrial settings

GS SOFTWARE

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	Aluminum
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)
Display	OLED, display dimension 33/66 mm
Membrane keyboard	Key-pad 0-9, OK – to approve, X – to delete
Extension card mounted inside the reader enclosure	6 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 125kHz
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 12 mm
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. Displaying any text on the screen (Unicode)
2. Displaying bitmaps on screen
3. Read the number of RFID transponder
4. Read the state of digital inputs
5. Control digital outputs

6. Read device status
7. Setting up device number
8. Setting up level of sound
9. Control additional serial interface e.g. to operate an external display, printer or weighing indicator

ORDERING INFORMATION	
PRODUCT	**ORDERING KEY**
STX 2000	HDW-STX-2000

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