

# TEACH ELECTRONIC



## VTS-Box Teach Electronic

### Key Features:

- Connectable to a potentiometer
- 0...10 V output signal, teachable up to 50 % of the measurement range
- integrated Squeezer for easy operation
- switching output
- high stability
- low ripple

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## INTRODUCTION

The VTS-Box is a signal converter, which converts potentiometer signals into a proportional voltage output or a switching output. The device is suitable for all sensors with a potentiometer as sensor element. The VTS-Box electronic digitises the cursor voltage of the potentiometer. This digitised information is processed, converted back as an analogue output signal, e.g. 0 to 10 V.

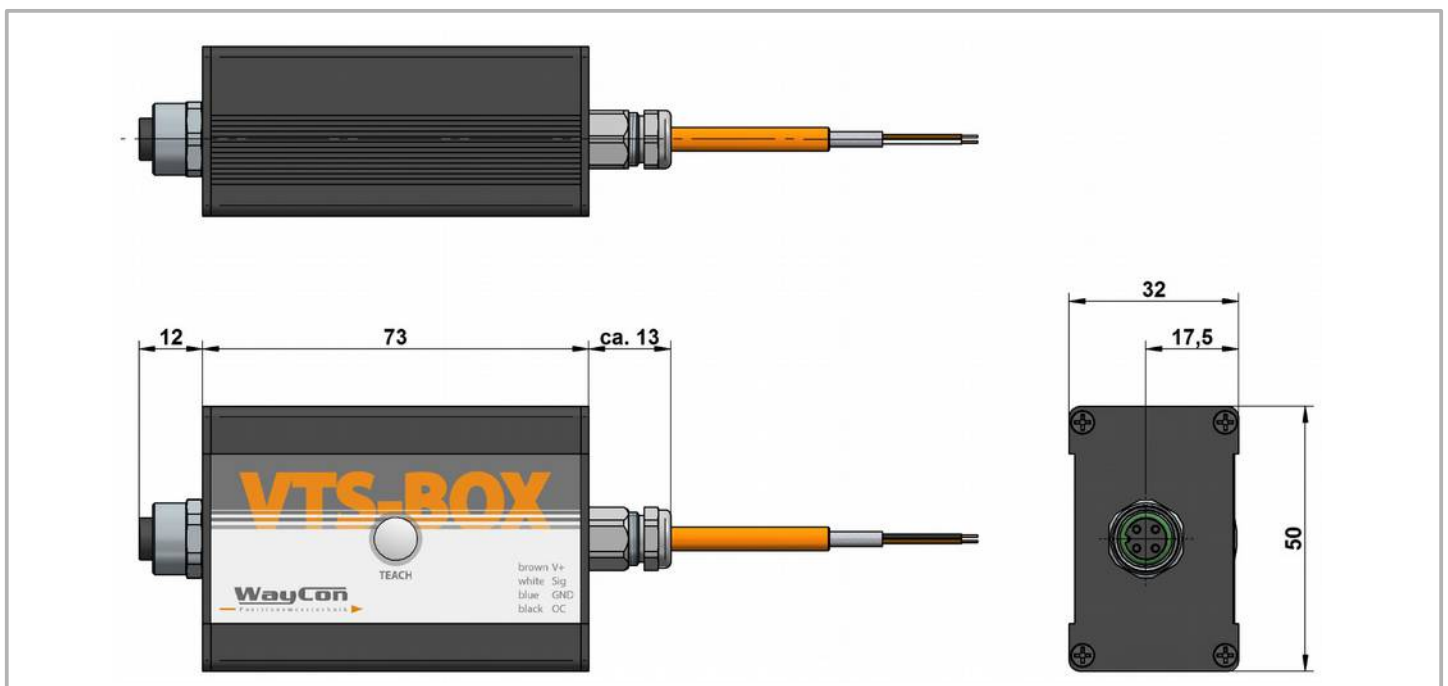
The digitalisation allows two possible settings for individual configuration of the sensor.

- 1) Teaching of the measurement range
- 2) Setting of the switching output

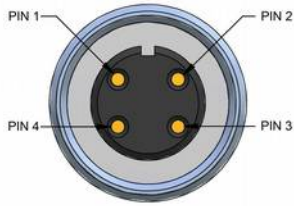
## TECHNICAL DATA

VTS-Box	
output	0...10 V (teachable) teachable up to approx. 50% of measurement range, not galvanically separated, 3-wire NPN-switching output (max. 100 mA / max. 35 V)
input	potentiometer
Supply	8...35 VDC
max. current consumption	40 mA
output current	max. 10 mA; min. load 1 kOhm
dynamic	1 ms
resolution	1 mV
inverse-polarity protection	yes
short circuit protected	yes
working temperature	-40...85 °C
temperature coefficient	0,0016 %/K
connection technology	3-wire technology
EMV	EN 61326-1:2006
protection class	IP40

## TECHNICAL DRAWING



## ELECTRICAL CONNECTION



	Pin	Cable colour	Wire
Pin 1	V+	brown	V+
Pin 2	Cursor	white	Signal
Pin 3	GND	blue	GND
Pin 4	n.c.	black	OC*

\* Open Collector

The Open Collector is a NPN switching output. On delivery, the switching output is set to the upper teach point.

## ACCESSORIES

### Cable with mating connector M12, 4 poles, shielded

K4P1,5M-SB-M12 1.5 m, straight connector

### Mating Connector M12, 4 poles, shielded

D4-G-M12-S straight, M12 for self assembly

D4-W-M12-S angular, M12 for self assembly

Diese Daten können jederzeit ohne Vorankündigung geändert werden.

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