## Touchkit with capacitive touchscreen



#### See below:

## **Approvals and Compliances**

## **Description**

- Kit content:
- 1x 10.1" SCHURTER Touchscreen Sensor on 2 mm float glass
- 1x PCAP controller board (EETI chipset)
- 1x Active Touchscreen Stylus
- 1x 1 m mini USB-Cable
- 4x self adhesive Feet
- 1x USB stick with evaluation software
- 1x AAAA battery for the active stylus
- 1x Quick Start Guide

### **Unique Selling Proposition**

- Plug and Play
- Multitouch functionality
- Glove operation

# Characteristics

- Capacitive touch sensor
- No external power supply necessary
- Choice of 2 sensitivity modes
- Up to 10 fingers at one time
- Palm recognition
- Water recognition
- EMC safe up to 10 Vrms conducted immunity and 10 V/m radiated immunity

### Weblinks

html-datasheet, General Product Information, CAD-Drawings, Product News, Detailed request for product, Microsite

## **Technical Data**

Sensor		
Туре	T1542	
Size	10.1 " active area 139.6 mm x 221 mm	
Electrode Pitch	5.52 mm x 5.37 mm	
Material	PET + ITO + Kapton tail	
Cover	2 mm float glass	
Printing	Black with SCHURTER Logo	
Channel-count	26 x 40 channels	
Operating Temperature	-10°C to +70°C	
Storage Temperature	-20°C to +75°C	
Controller		
Chipset	EETI EX3146	
Size	30 mm x 65 mm	
Channel-count	max. 30 x 42 channels (including shield	
	lines)	
Input voltage	$3.5 \text{ V} \sim 5.5 \text{ V}$ typ. $5 \text{ V}$ (powered via	
	USB)	
Power consumption	Active mode: < 50 mA	
- <u></u>	Idle mode: < 30 mA	
Operating Temperature	-40 °C to +85 °C	
Storage Temperature	-40°C to +90°C	
Relative humidity	95% at 60 °C RH nicht kondensierend	
Interface	USB 1.1 Full speed (mini-USB)	
	I <sup>2</sup> C 100 - 400 kHz (2.54 mm pitch sol-	
	dering interface) *	
Response time	< 25 ms	
Report rate	> 100 Hz (1 - 10 fingers)	
USB-HID	Compatible (Windows / Linux / Mac OS)	

Active Touchscreen stylus				
Size	9.7 mm x 140.7 mm			
Battery	1 x AAAA			
Buttons	2			
Included Software				
Hardware calibration tool	EXC3062RunCalibration.bat			
SCHURTER PCAP Analyzer	AnalyserTool.exe			
SCHURTER Sensitivity Tool	SensitivityTool.exe			

## **Approvals and Compliances**

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

<sup>\*</sup> only on customer request

## Compliances

The product complies with following Guide Lines

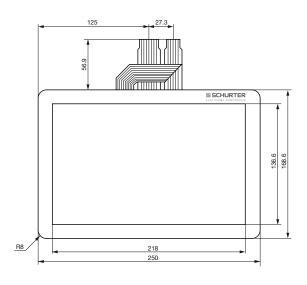
Identification	Details	Initiator	Description

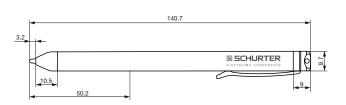
REACH

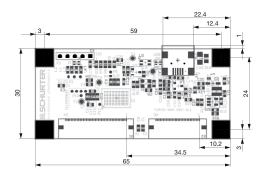
REACH SCHURTER AG

On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

## Dimension [mm]







 Description
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 PCAP Touch Kit
 1400.0402

Most Popular.

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Packaging unit

1 Kit





**Switches**