

# SycoTec *Dental control units*

Recycling Manual

EN



[www.sycotec.eu](http://www.sycotec.eu)

SycoTec Recycling Manual – Control units  
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Manufacturer:



**Sycotec GmbH & Co. KG**





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# 1 User Information

## 1.1 General information

### 1.1.1 Symbol used

	Important Information
	<b>Classification in category 1:</b> Substances and components that must be removed and treated separately.
	<b>Classification in category 2:</b> Substances and components that can disrupt the recycling process.
	<b>Classification in category 3:</b> Substances and components with can be achieved revenues.

### 1.1.2 Target group

This document is intended for people involved in the disposal of the mentioned SycoTec product.

### 1.1.3 Information about the product manufacturer

SycoTec GmbH & Co.KG  
Wangener Strasse 78  
88299 Leutkirch  
Germany

For inquiries please always state the serial number of product!  
Further information at: [www.sycotec.eu](http://www.sycotec.eu)

#### **NOTICE**

The device may only be accepted after application of the RKI-guideline (Robert Koch Institute) "Infection Prevention – Dentistry – Hygiene Requirements" or must be reprocessed before received in the medical sense, that is be cleaned and disinfected.

## 2 Product Identification

### 2.1 Control Unit

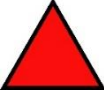


<b>Product name</b>	Control unit E-SANAO Advantage	Control unit E-SANAO Prep
<b>Reference no.</b>	2.002.4630	2.002.5696
<b>Product type</b>	E-SANAO Advantage + Prep	
<b>WEEE Device category</b>	No. 8 – Medical Devices	

### 2.2 Dimensions and weight

<b>Length</b>	175 mm
<b>Width</b>	115 mm
<b>Height</b>	90 mm
<b>Weight</b>	591 g

## 3 General Information

### 3.1 General information on the components and the substances - materials

Symbol	Meaning	Substances materials
	<b>Classification in category 1:</b> Substances and components that must be removed and treated separately.	<p>This category includes substances and components that already subject to legal regulations (substances with potential for environmental hazards) e. g. PCBA-containing capacitors.</p> <ul style="list-style-type: none"> <li>▪ Mercury-containing components</li> <li>▪ PCB´s lager than 10 cm<sup>2</sup></li> <li>▪ Plastics containing brominated flame retardants</li> <li>▪ Asbestos waste and asbestos-containing components</li> <li>▪ FCKW, H-FCKW, H-FKW, KW</li> <li>▪ External electrical lines</li> <li>▪ Components containing refractory ceramic fibers</li> <li>▪ Components containing radioactive substances</li> <li>▪ Electrolytic capacitors containing substances of concern</li> <li>▪ Components contaminated by dental waste (amalgam, blood, pus, etc.) during dental treatment and not intended for reprocessing.</li> </ul>
	<b>Classification in category 2:</b> Substances and components that can disrupt the recycling process.	<p>This include any type of liquids and consumables, as well as substances/ components that are to be observed for market or company policy reasons.</p> <ul style="list-style-type: none"> <li>▪ Auxiliary and operating materials (oils, greases or coolants)</li> <li>Non-metallic materials such glass or concrete</li> </ul>
	<b>Classification in category 3:</b> Substances and components with can be achieved revenues.	<p>This category lists substances and components for which a market exists or for which revenues can be generated.</p> <ul style="list-style-type: none"> <li>▪ Noble metal</li> <li>▪ Aluminum alloy</li> <li>▪ Ferrous metals</li> <li>▪ Non-ferrous metals</li> <li>▪ Unmixed plastics</li> </ul>

## 4 Materials

### 4.1 Materials which the SycoTec control units are broken down

#### 4.1.1 Metals

- Aluminum-alloys
- Non-ferrous metals
- Ferrous metals
- Noble metal

#### 4.1.2 Plastics sorted

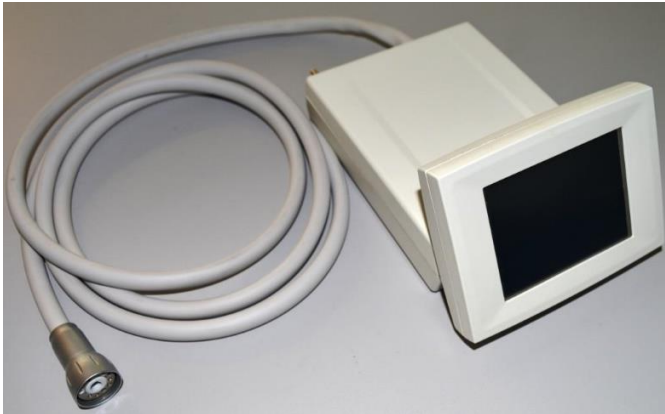
- Thermoplastics (ABS, POM, PE, PES, PVC)
- Elastomers (TPE)
- Thermosetting plastics (PUR, PU foam)

#### 4.1.3 Other

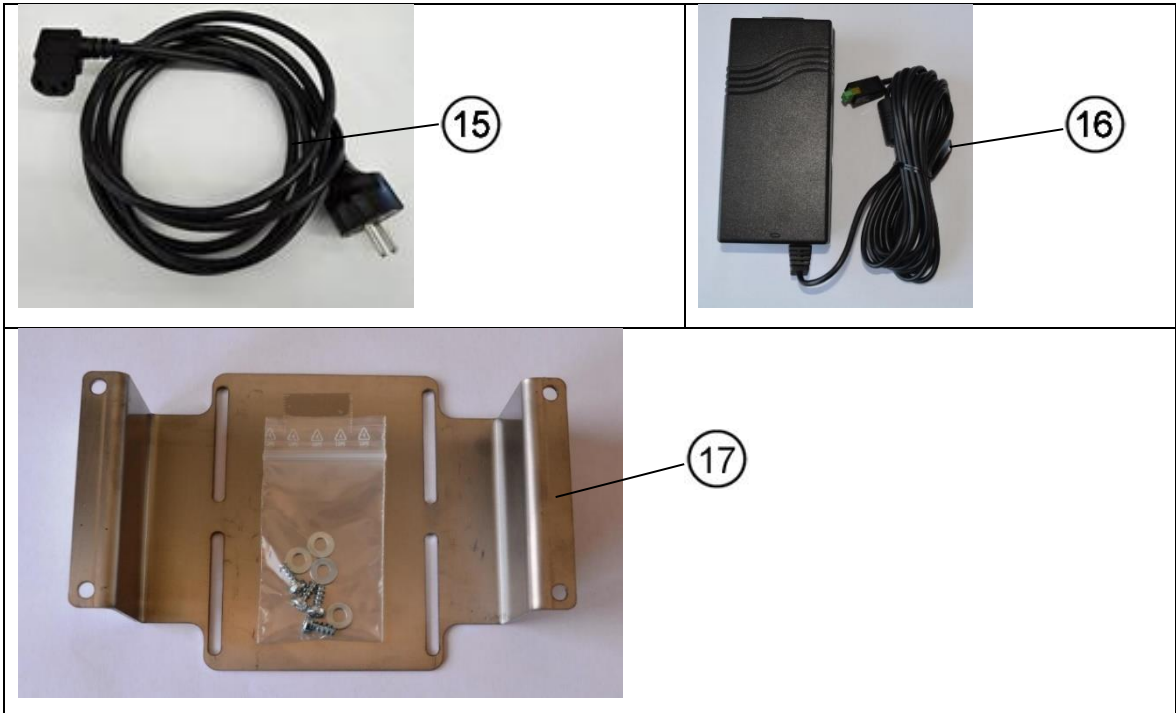
- Electrics (> 10 cm<sup>2</sup>)
- Mixed scrap (assemblies with plastic, metal and electronics or plastic parts with metal insert)
- Cables, cable waste
- Displays (liquid crystal)
- Other

# 5 Product-related Recycling Properties

## 5.1 Control unit



### Accessories



## 5.2 Substances and components that must be removed and treated separately



Category 1

No.	Description	Weight (g)	Material no.	Material
15	Power line	286	2.000.3646	PVC
16	Switch-mode power supply	725	2.000.3678	Electronic, plastic
2	Motor line	187	2.002.3011	Cords TPE PU

## 5 Product-related Recycling Properties

3	PCBA - control unit	63.6	2.001.0391	Electrics
4	Flat cable 10pin	4	2.000.2645	Assembly metal and plastic
13	PCBA - Display	32.5	2.002.5798	Electrics
9	Display faceplate + Touch display	33	2.000.4593 + 2.001.8959	ABS + ITO foil
14	TFT-Display	28	2.001.8853	Glass, metal, LCD, electrics

### 5.3 Substances and components that can interfere with recycling processes



#### Category 2

No.	Description	Weight (g)	Material no.	Material
	not specified			

### 5.4 Substances and components with proceeds can be achieved

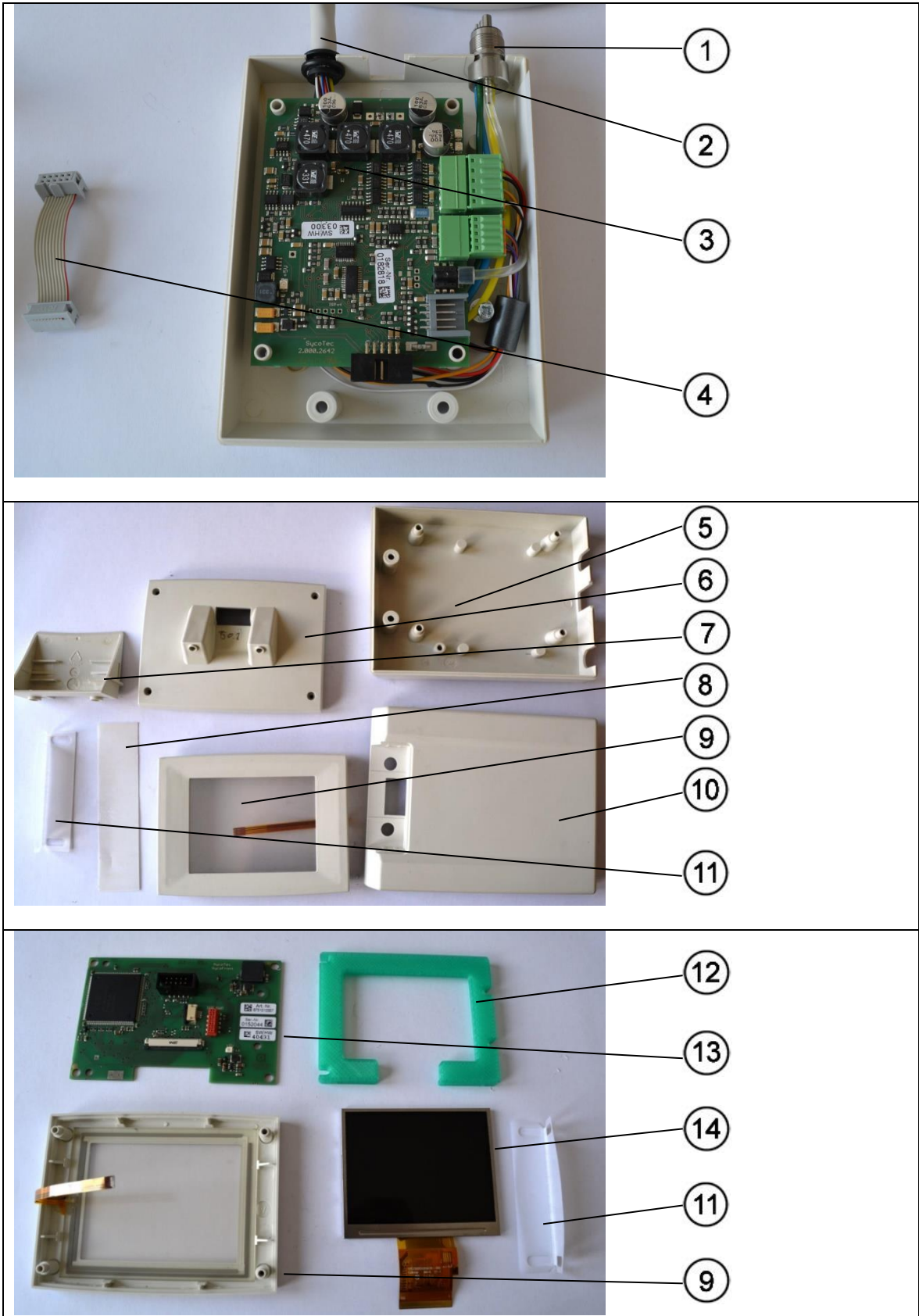


#### Category 3

No.	Description	Weight (g)	Material no.	Material
1	Pin	27.6	2.000.9739	Steel
5	Control unit subshell	77	2.000.2638	ABS
6	Display subshell	41.7	2.000.2640	ABS
7	Cap	11	2.000.3170	ABS
8	Insulation foil control unit	2	2.002.7361	Polyester fleece
10	Control unit face plate	64	2.001.1890	ABS
11	Insolation foil display	1.6	2.000.7321	Polyester fleece
12	Frame	10	2.001.8958	ABS HF380
17	Angle	199	2.000.4936	Sheet steel
18	Screw 2,5x12 Ejot	0.9	2.000.3150	Steel
19	Screw 3,5x8 Ejot	1	2.000.3151	Steel



## 5 Product-related Recycling Properties



## 6 Disassembly Instruction

### Disassembly instruction



Unscrew 6x half-round-head screws (pos.19) At the control unit with screwdriver Torx T8 (pos.20)

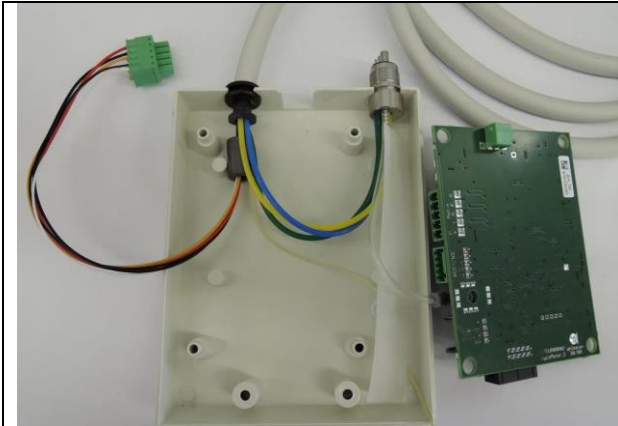


Loosen 4x half-round screws (pos.18) on display with screwdriver Torx T8 (pos.20)



Display with removed cover at the back

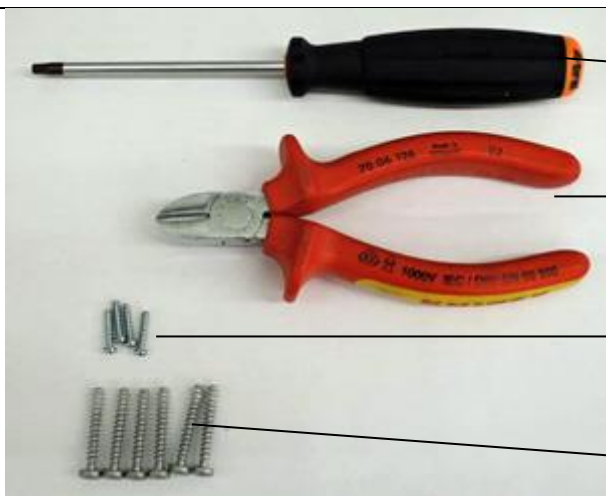
## 6 Disassembly Instruction



Disassembly of motor cable:  
Disconnect Phoenix plug  
and put PCB aside.



Cut off the media hoses  
with side cutter (pos.21)



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## 7 Directives, Laws and Standards

### 7.1 Information about the considered guidelines, laws and standards

- **PAS 1049:2004-12**

Transmission of recycling-relevant product information between manufacturers and recycling companies

- **2012/19/EU**

Directive of the European Parliament and of the Council of July 4, 2012 on Waste Electrical and Electronic Equipment (WEEE) (recast).