Electro-Pneumatic Controller
EPC 01

OETIKER ®

Reliable Connections

Recommended for the Installation of Oetiker Ear- & Low Profile Clamps

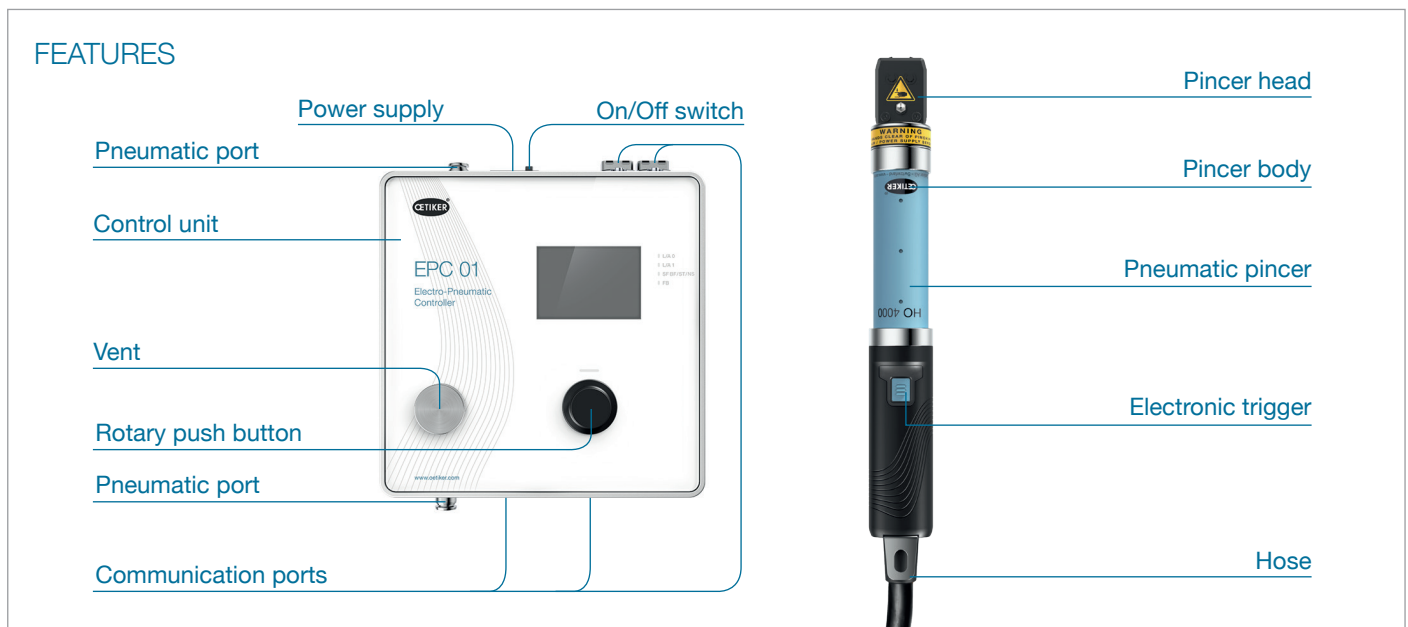| **Benefits**	· Accurate and precise closures · Highest process and quality standards · Flexibility for customer specific adaptations · Verified and traceable connections	· Easy and safe integration into (automated) processes · Easy handling · Stable processes with low maintenance

Digital Micro-controller architecture: accurate, precise and flexible

Internal data log: verified and traceable

Intuitive software & user management: easy integration and handling

Robust tool design & materials: stable processes and low maintenance

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Reliable Connections

FEATURES

- Pneumatic port
- Power supply
- On/Off switch
- Control unit
- Vent
- Rotary push button
- Pneumatic port
- Communication ports

- Pincer head
- Pincer body
- Pneumatic pincer
- Electronic trigger
- Hose

Electro-Pneumatic Controller
EPC 01

TECHNICAL DATA OVERVIEW

Control unit

Power supply: 24 V DC 100-240 V AC / 50-60 Hz	
Compressed air supply: 4-10 bar	
External dimensions without ports: 200 x 200 x 85 mm	
Weight: 3,2 kg	
Communication ports:	
3.5 mm jack plug (female)	
9-pin SUB-MIN-D (female)	
25-pin SUB-MIN-D (male)	
9-pin SUB-MIN-D (male)	
USB interface type B	
Ethernet	
EtherCAT	
EtherNet/IP	
Profinet	

PRODUCT DESCRIPTION

The EPC 01 is a high quality pincer system developed by Oetiker. It is a redevelopment of the previous version ELK 02 which contains various improvements as well as new features. The complete pincer system EPC 01 ensures the uniform and reliable assembly of Oetiker clamps. It's a reliable production tool that will maximize your uptime, provide verified and traceable connection installation, and ensure the highest quality standards through accurate and precise process control.

Combines Electro-Pneumatic Controls and Trigger Units for today's advanced production environments. From advanced engineering test labs to fully automated high-volume production cells, Oetiker's EPC 01 installation tool will provide the highest levels of quality and durability. For optimal adaption to any requirement a wide range of pincer body sizes and pincer heads are available.

The system and the software can be operated in different languages. The technical documents as well as the software can be found on www.oetiker.com.

Oetiker offers a tool subscription service and license-based setup options for the EPC 01 system to keep investment to a minimum.

For more information please contact Oetiker sales.

SCOPE OF SUPPLY

EPC 01 system
· Control unit
· PC Software EPC 01
· Compressed air connection set (incl. filter/water separator)

Cables
· Connection cable for all interfaces
· Power cable with country-specific plug

Hose length
Standard hose/cable length of the Pincer unit is 3 m.

Alternative hose/cable lengths
0.25 m / 6 m / 9 m / 12 m

Pincer Heads
The pincer head can be exchanged to suit individual assembly situations. Various pincer heads fit different clamp types like ear clamps and low profile clamps.

Pincer types
Oetiker offers two different types of pneumatic pincer bodies, which differ in the positioning of the start button and safety lever and ensure better handling when closing clamps.

The electronic version (EL) is equipped with the standard trigger unit positioned at the end of the pincer body

The electronic version with extended trigger unit (ELT) locates start button and safety lever to the center of the pincer body.
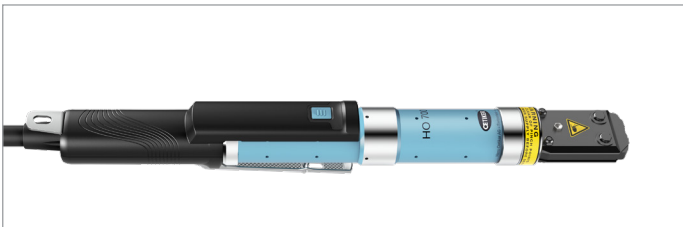
HARDWARE

Oetiker offers eight versions of the EPC 01 which differ in power supply and interface.

There are 4 versions each for AC voltage and DC voltage.

Without industrial network

Profinet

Ethernet/IP

EtherCat

AC power versions

EPC 01 Version	Item No.
Without industrial network	32000000
Profinet	32000001
Ethernet/IP	32000002
EtherCat	32000003

DC power versions

EPC 01 Version	Item No.
Without industrial network	32000004
Profinet	32000005
Ethernet/IP	32000006
EtherCat	32000007

SOFTWARE

The EPC 01 software is customizable to the individual needs of the customer which is provided through a license key generated by Oetiker. This allows users to save costs by not paying for features which are not needed for production.

The software can be classified into 5 categories and is available as basic or industrial network version.

Ear Clamp Basic / Ear Clamp Basic Industrial Network
Reduced versions which are intended exclusively for the closing of ear clamps.

Low Profile Basic / Low Profile Basic Industrial Network
Reduced versions which are intended exclusively for the closing of low profile clamps.

Professional / Professional Industrial Network
Contains all features and functions of the EPC 01. It can be used to close ear clamps and low profile clamps.
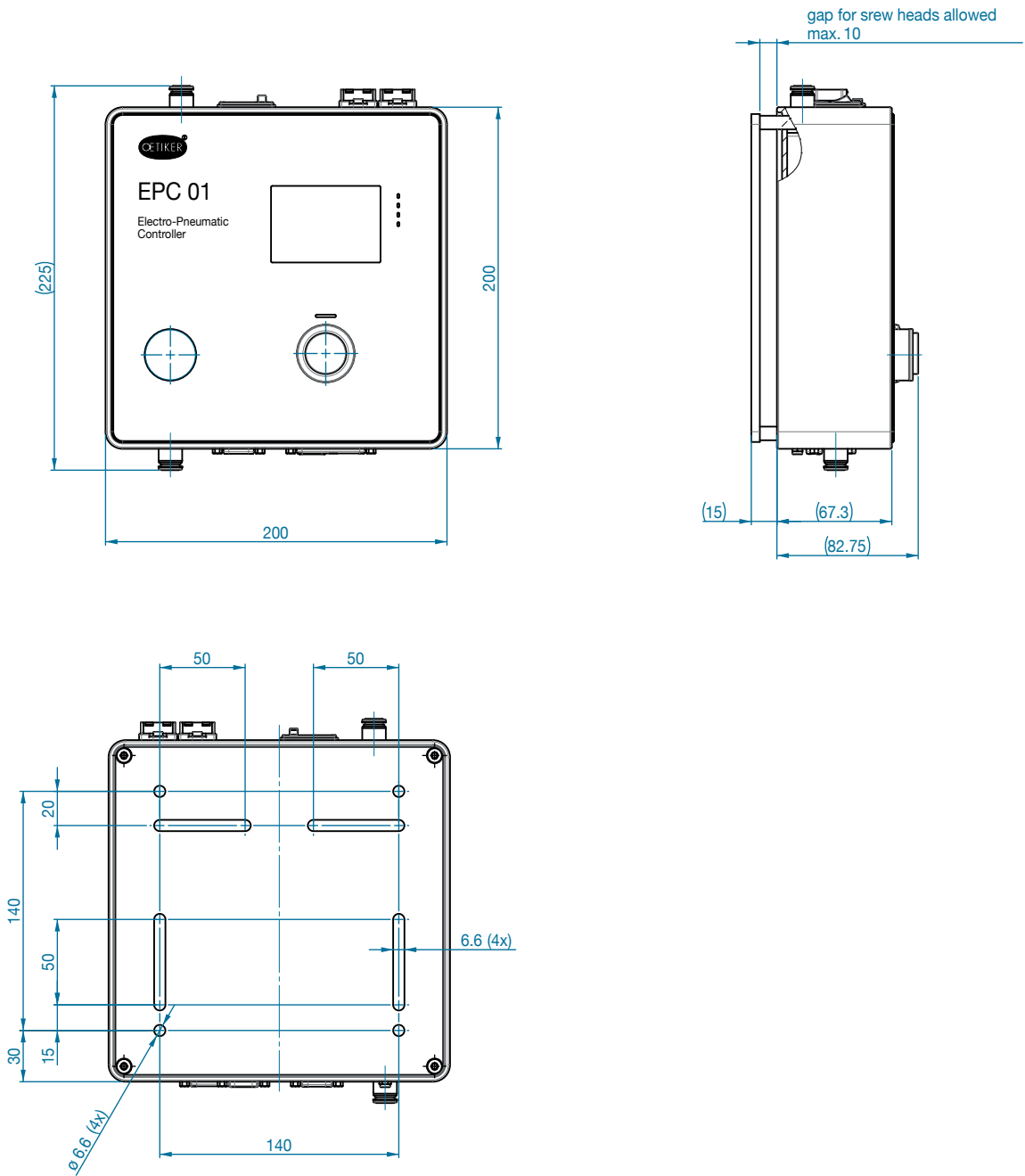
Semi- and Fully Automatic Mode/ Semi- and Fully Automatic Mode Industrial Network
Limited for operation via an external control but allows the operation without pressing the safety lever.

Trial
Trial is a time-limited test version which includes all functions and features of the professional version for 30 days. After expiration, it is necessary to enter a license key generated by Oetiker to continue using the EPC 01. The scope of functions depends on the purchased license key.
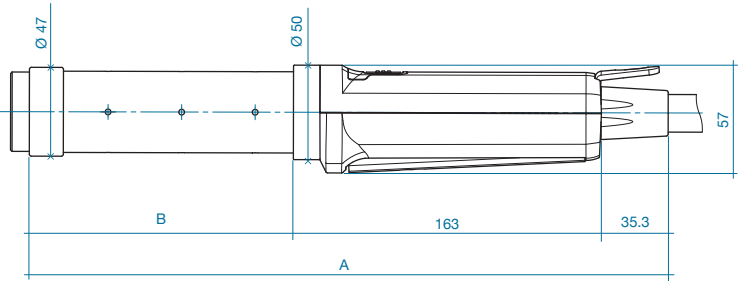
CONTROL UNIT

EPC 01

Electro-Pneumatic
Controller

(225)

200

200

gap for srew heads allowed
max. 10

(15)   (67.3)

(82.75)

50   50

20

140

50

30 15

6.6 (4x)

ø 6.6 (4x)

140

All dimensions are in millimeters (mm) unless otherwise noted.

Electro-Pneumatic Controller EPC 01

PINCER TYPES

HO 2000, 3000, 4000

EL

HO Pincer Type	A (mm)	B (mm)
2000	299	101
3000	338	140
4000	377	179

ELT

HO 5000, 7000

EL
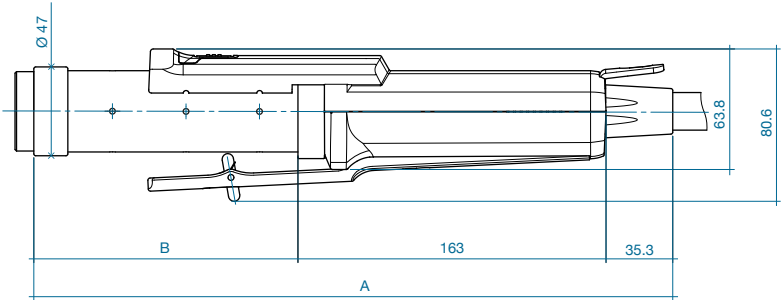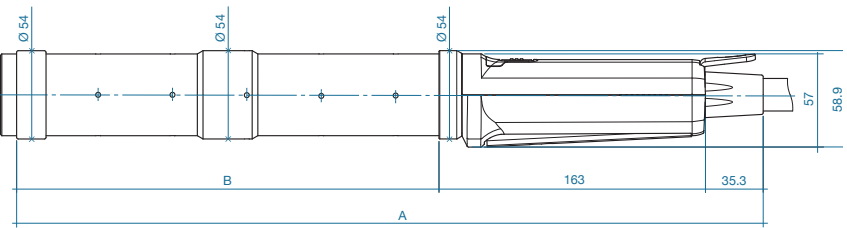
HO Pincer Type	A (mm)	B (mm)
5000	366	168
7000	457	259

ELT

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PINCER TYPES

HO 10000

Ø 73   Ø 74

82.5   108.9

B   163   35.3

A
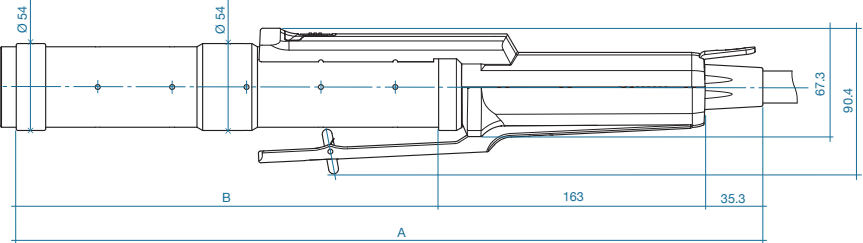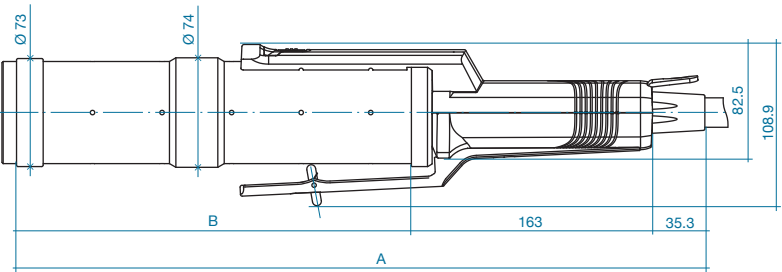
ELT

HO Pincer Type	A (mm)	B (mm)
10000	465	267

PINCER HEADS

Oetiker offers a wide range of different pincer heads to provide the right solution for your application. The following table provides information about our standard heads. The table does not take into account special clamp dimensions and special pincer heads.

For more information please contact Oetiker sales.

Pincer Heads		Suitable for HO					
Jaw width (mm)	For ear width (mm)	2000	3000	4000	5000	7000	10000
5.5	≤ /7	×					
	8	×					
7.5	8	×	×				
	10	×	×				
	13		×	×			
10.2	8	×	×	×			
	10	×	×	×			
	13		×	×			
10.5	10				×	×	
	13				×	×	
14.5	13					×	×