Quick Start Guide

Oetiker ELK 02 V2.0

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ELK 02 Scope of Delivery

1. Control unit ELK 02
2. Software
4. Power cord
5. Filter / Compressed air connection set
6. Connection cable for all interfaces

Symbols and signs

Safety sign, warns of danger of injury and material damage.

Caution Hazardous situation. Failure to observe this notice may lead to minor injury.

Warning Hazardous situation. Failure to observe this notice may lead to death or serious injury.

Risk of electric shock!

Risk of Crushing!

Read the User Manual.

Information relating to the understanding or optimization of working practices. Information indicating technical requirements for optimum performance and efficiency.

Check visually.

Prerequisite or result of action performed.

Required Equipment

1. Calibrator CAL 01
2. Closing Force Sensor SKS 01
3. Pneumatic Pincer EL

For stable air supply Oetiker recommends the usage of an accumulator.
1.1 **Pneumatic Supply**

CAUTION!
Compressed air connection:
- Keep clean and dry (free of water and oil).

Compressed air intake pE:
>4 bar (>60 PSI) to max. 10 bar (150 PSI)
Recommended: 6 bar (90 PSI)

1.2 **Electrical Connection**

WARNING!
Risk of electric shock!
- Plug power source in an appropriate outlet.

1.3 **Pincer Connection**

1.4 **CAL 01 Connection**
2.1 ELK 02 Pincer Data Selection

1. Max. 10 s

2.2

1. The ELK 02 recognizes the pincer series and displays the pincer options for the connected pincer.

2. If pincer is not recognized: Select the connected pincer and the length of the cable assembly.

3. Authorize
### 3.1 CAL 01 Function

![CAL 01 Function Diagram]

1. ON OFF
2. NOM
3. ABC
4. pincer test request
5. OK

### 3.2 ELK 02 Friction Test

1. Friction Test
2. START

![Friction Test Diagram]

- Commence test

### 3.3 ELK 02 Force Test

1. Force Test
2. START

![Force Test Diagram]

- Commence test

3. Perform force test 3x to establish an average value.

4. 2074 N
5. 2086 N

![Force Test Results Diagram]

- Commence test

- Value 2086 N
4.1 ELK 02 Gap Test

1. **GapTest**
   - Commence test
   - Gauge 1/2: 2.0 mm

2. **GapTest**
   - Commence test
   - Gauge 2/2: 4.0 mm

3. **GapTest**
   - Commence test
   - Gauge 1/1: 2.0 mm

4. **GapTest**
   - Commence test
   - Gauge 2/1: 4.0 mm

5. **GapTest**
   - Commence test
   - Gauge 1/2: 2.0 mm

6. **GapTest**
   - Commence test
   - Gauge 2/2: 4.0 mm

7. **GapTest**
   - Commence test
   - Gauge 1/1: 2.0 mm

8. **GapTest**
   - Commence test
   - Gauge 2/1: 4.0 mm

START

Current APN
- HO 3000 Sample