

■ **Service Documentation SD 1700-0640-EN**

**Checklist for Types 3725, 3730-x and 3731-x Positioners**

Repair order no.: \_\_\_\_\_ Original order no.: \_\_\_\_\_  
Positioner type:  3725  
Positioner type:  3730-0  3730-1  3730-2  3730-3  3730-4  3730-5  3730-6  
Positioner type:  3731-3  3731-5  
Model no.: \_\_\_\_\_ Serial no.: \_\_\_\_\_

**1) When did the error occur?**

- During the first start-up
- During operation
- While changing the positioner settings. Which settings? \_\_\_\_\_
- \_\_\_\_\_
- Don't know

**2) How often does the error occur?**

- Constantly
- Sporadically, interval: \_\_\_\_\_
- Due to vibration
- Don't know

**3) Is it possible to establish communication with the positioner?**

- Yes, error message: \_\_\_\_\_
- No
- Don't know

**4) Which software or control system is used for communication?**

- SAMSON TROVIS-VIEW version \_\_\_\_\_
- Delta V
- Yokogawa
- Other: \_\_\_\_\_
- Don't know

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### 5) What is shown on the positioner display?

- Error message(s)/error code(s): \_\_\_\_\_  
 Manual  
 Automatic  
 Other icons  
 Nothing, display not working  
 Don't know

### 6) Does the positioner respond to a change of the reference variable?

- Yes  
 No  
 Valve oscillates  
 Valve does not travel to desired position  
 Don't know

### 7) Can the valve be moved to fail-safe position?

- Yes  
 No  
 Don't know

### 8) Details on the control valve

#### 8a) Actuator

Type: \_\_\_\_\_

Diaphragm area: \_\_\_\_\_

Spring/operating range: \_\_\_\_\_

Linear actuator     Stem extends     Stem retracts

Rotary actuator     Single-acting     Double-acting

Supply pressure: \_\_\_\_\_

#### 8b) Valve

Type: \_\_\_\_\_

Rated travel: \_\_\_\_\_

Pressure-balanced plug?     Yes     No

Stem seal? \_\_\_\_\_

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### 8c) Further valve accessories

- Booster, Type: \_\_\_\_\_
- Quick exhaust valve, Type: \_\_\_\_\_
- Filter regulator, Type: \_\_\_\_\_

### 9) Details on the application and process

Which process medium and fluid temperature is controlled at the tag number?

\_\_\_\_\_

### 10) What are the specifications in this check list based on?

- Observations in the customer's plant
- Examination at our workshop. **Please include your detailed test report.**

### 11) Was the configuration of the positioner changed for troubleshooting or the examination? Were other changes performed on or in the positioner?

- No, configuration is as delivered
- Yes, initialization was started
- Yes, positioner was reset (code 36) and an attempt was made to start it up again
- Yes, settings were changed. Which parameters? \_\_\_\_\_
- Yes, positioner was fully or partly disassembled

### 12) Error description (in your own words)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Please forward this checklist together with the positioner to SAMSON AG/V51 Department/Mr. Ibañez.**

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