

|                                 |                                                                                                                                                                                          |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ケース構造 Enclosure                 | 屋 外 防 滴 形 Weather proof type                                                                                                                                                             |
| 標準付属機構 Attached                 | 自動－手動切替え Auto-Manual change                                                                                                                                                              |
| ハウジング材 Housing material         | アルミニウム合金 Aluminum alloy                                                                                                                                                                  |
| 標準塗装材 Coating                   | エポキシ樹脂系塗料 Epoxy resin group paint                                                                                                                                                        |
| 標準塗装色 Coating colors            | 本 体 Body..... ダークグリーン Dark green<br>カバー Cover..... ライトグレー Light gray                                                                                                                     |
| 概 算 重 量 Approx. weight          | 3～12ページを御参照下さい。 See page 3～12.                                                                                                                                                           |
| 付 加 仕 様 Optional specifications | 御要求により製作します。 Available upon request.<br>圧力計目盛 Pressure gauge..... kgf/cm <sup>2</sup> G, Bar, Psi<br>出力特性 Cam characteristic..... Equal percentage<br>空気接続口 Air connections..... 1/4 NPT |

# 形式及びコード番号 TYPE AND COOD NO.

PP

|                                                |    |  |  |  |  |  |  |                                   |                                     |
|------------------------------------------------|----|--|--|--|--|--|--|-----------------------------------|-------------------------------------|
| 機 能 Type                                       | A  |  |  |  |  |  |  | 単動形駆動部用                           | for spring return type              |
|                                                | C  |  |  |  |  |  |  | 複動形駆動部用                           | for double acting type              |
| シリーズ Serise                                    | 8  |  |  |  |  |  |  |                                   |                                     |
| 構 造 Enclosure                                  | 0  |  |  |  |  |  |  | 屋 外 防 滴 形                         | Weather proof type                  |
| フィードバック方式<br>Feedback style                    | 1  |  |  |  |  |  |  | リ ニ ヤ 駆 動 部 用：標準レバー形              | Linear: Feedback for standard lever |
|                                                | 2  |  |  |  |  |  |  | ロータリー駆動部用：標準レバー形                  | Rotary: Feedback for lever          |
|                                                | 4  |  |  |  |  |  |  | ロータリー駆動部用：軸直結用形                   | Rotary: for 6300RA, 6500RA, 7300RA  |
|                                                | 5  |  |  |  |  |  |  | リ ニ ヤ 駆 動 部 用：ロングレバー形             | Linear: Feedback for Long lever     |
|                                                | 6  |  |  |  |  |  |  | ロータリー駆動部用：軸直結耐振形                  | Rotary : Vibration proof            |
|                                                | 8  |  |  |  |  |  |  | リ ニ ヤ 駆 動 部 用：ラック&ギヤ形             | Linear: Feedback for Rack and gear  |
| 出力特性 Cam characteristics                       | L  |  |  |  |  |  |  | リニヤ                               | Linear                              |
|                                                | E  |  |  |  |  |  |  | イコール%                             | Equal percentage                    |
| 出力空気用圧力計最大表示目盛<br>Maximum pressure gauge range | 2  |  |  |  |  |  |  | 200 Kpa ( 2kgf/cm <sup>2</sup> )  |                                     |
|                                                | 4  |  |  |  |  |  |  | 400 Kpa ( 4kgf/cm <sup>2</sup> )  |                                     |
|                                                | 10 |  |  |  |  |  |  | 1000 Kpa (10kgf/cm <sup>2</sup> ) |                                     |
| 許容周囲温度<br>Ambient temperature limits           | —  |  |  |  |  |  |  | 標準形                               | Standard type                       |
|                                                | H  |  |  |  |  |  |  | 高温形                               | High temperature service            |
|                                                | L  |  |  |  |  |  |  | 低温形                               | Low temperature service             |

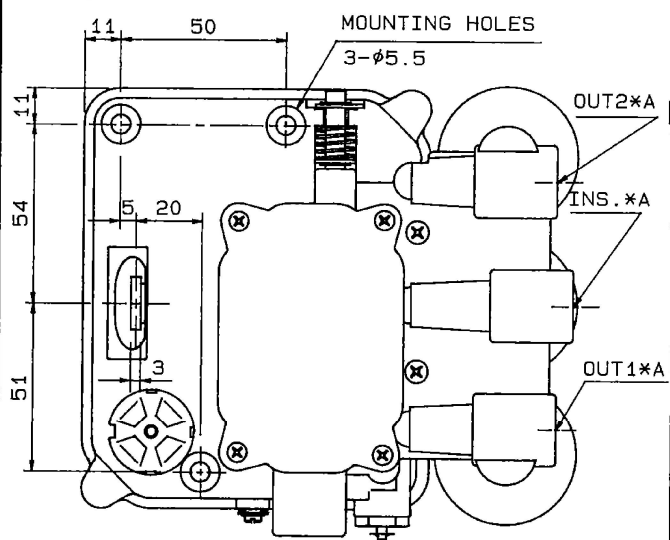
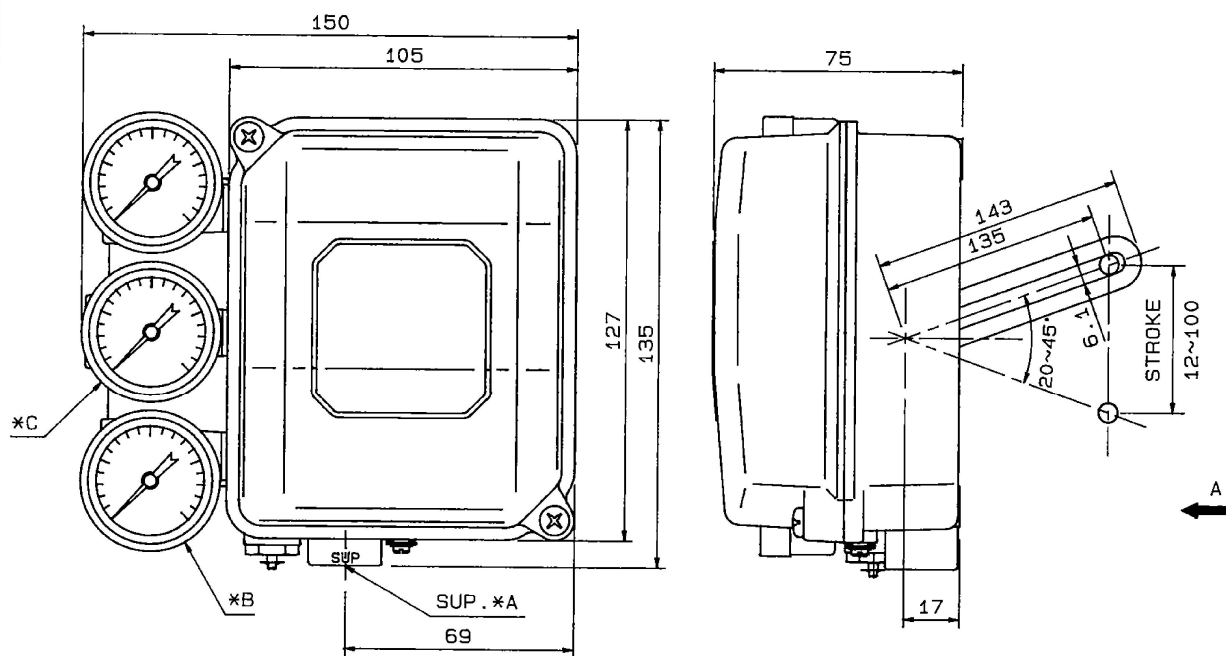
## 特 長

- \*小容量から大容量までの駆動部に対応可能。  
キャパシティ調整用スプリングを選択することにより各駆動部サイズに対応できます。
- \*空気消費量が少ない。  
パイロットバルブは、大容量なのに空気消費量が少ない。
- \*出力特性の選択が可能。  
フィードバック機構部にカムを使用していますので、標準以外の特性とすることができます。
- \*各種のフィードバック方式に対応可能。
- \*逆作動パイロットバルブの選択が容易。  
単動形駆動部において逆作動形パイロットが必要な場合は、複動形駆動部用ポジショナを用いると逆作動形パイロットとなります。

## FEATURES

- \*USABLE WITH LOW TO HIGH CAPACITY ACTUATORS  
By adjusting the built-in capacity control spring, the positioner can be made optimum to the given actuator.
- \*A LOW AIR CONSUMPTION  
The pilot valve is low in air consumption and high in capacity.
- \*OUTPUT CHARACTERISTICS SELECTABLE  
Having a cam within the feedback construction, choices other than the standard linear characteristic are available.
- \*COMPATIBLE WITH VARIOUS FEEDBACK TYPES
- \*REVERSE ACTION PILOT VALVE EASILY AVAILABLE  
The positioner for double acting actuators can be used as a reverse action pilot valve when combined a spring return actuator that requires a reverse action pilot.

# PNEUMATIC-PNEUMATIC POSITIONER



A VIEW

MODEL **PPC801-L** ☐ ☐

\*1 \*2

| *1                          | GAUGE TYPE                                     |                                |                                 |                                  |  |
|-----------------------------|------------------------------------------------|--------------------------------|---------------------------------|----------------------------------|--|
| <input type="checkbox"/> 10 | <input type="checkbox"/> 10kgf/cm <sup>2</sup> | <input type="checkbox"/> 10bar | <input type="checkbox"/> 150psi | <input type="checkbox"/> 1000kPa |  |

| INS. GAUGE TYPE |                                               |                               |                                |                                 |
|-----------------|-----------------------------------------------|-------------------------------|--------------------------------|---------------------------------|
| *C              | <input type="checkbox"/> 2kgf/cm <sup>2</sup> | <input type="checkbox"/> 2bar | <input type="checkbox"/> 30psi | <input type="checkbox"/> 200kPa |

| *2                         | SERVICE              |  |
|----------------------------|----------------------|--|
| <input type="checkbox"/>   | -20~80°C <STANDARD>  |  |
| <input type="checkbox"/> L | -50~60°C <LOW TEMP.> |  |
| <input type="checkbox"/> H | 0~100°C <HIGH TEMP.> |  |

| *A *B CONNECTION    |         |                                                     |                                          |                                  |
|---------------------|---------|-----------------------------------------------------|------------------------------------------|----------------------------------|
| DESCRIPTION         | UNIT    | <input type="checkbox"/> kgf/cm <sup>2</sup><br>kPa | <input type="checkbox"/> bar, psi<br>kPa | <input type="checkbox"/> SPECIAL |
| *A AIR CONNECTION   | Rc 1/4" |                                                     | 1/4"NPT                                  |                                  |
| *B GAUGE CONNECTION | Rc 1/8" |                                                     | 1/8"NPT                                  |                                  |

Rc=PT

APPROX. WEIGHT: 1.3kg

NOTE:

FOR DOUBLE ACTING ACTUATOR

DRAWING No.

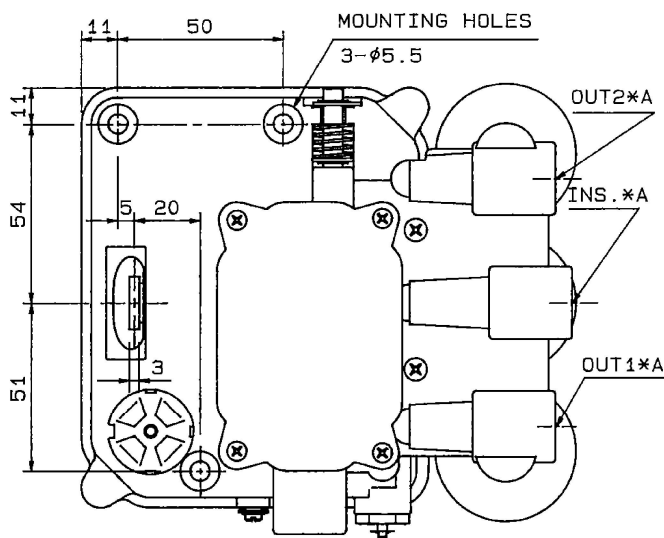
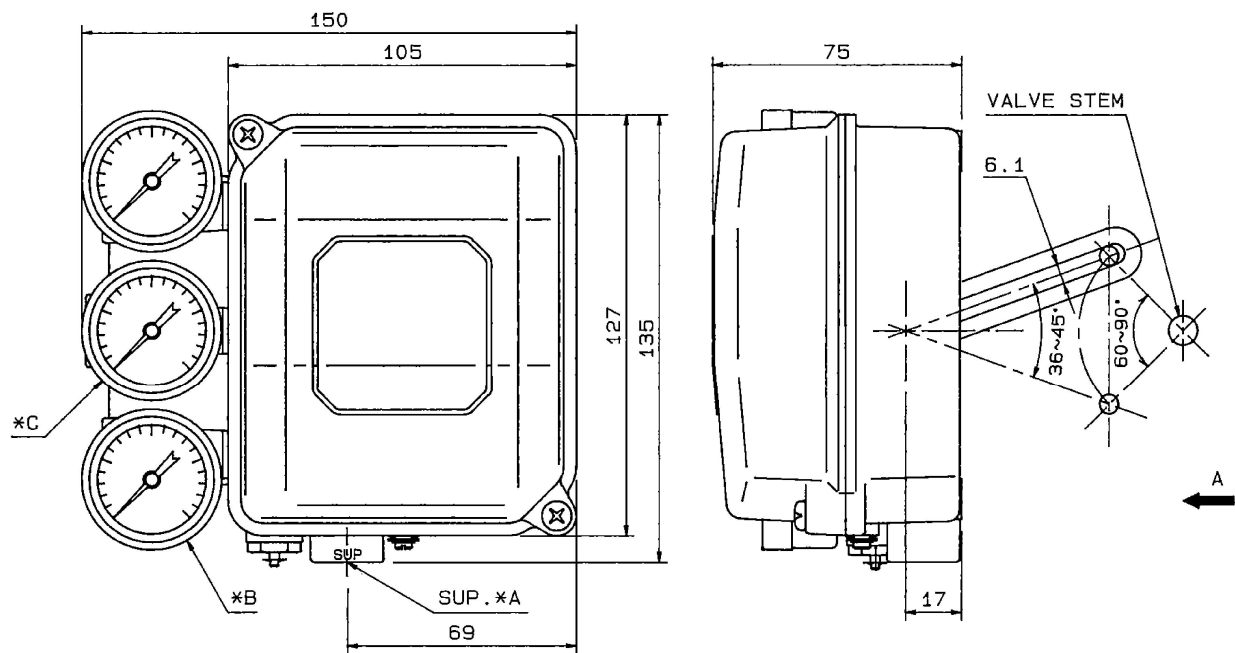
E-PPC801

REV

B

**KOSO**

# PNEUMATIC-PNEUMATIC POSITIONER



A VIEW

MODEL **PPC802-L** ☐ ☐  
\*1 \*2

| *1                          | GAUGE TYPE                                     |                                |                                 |                                  |  |
|-----------------------------|------------------------------------------------|--------------------------------|---------------------------------|----------------------------------|--|
| <input type="checkbox"/> 10 | <input type="checkbox"/> 10kgf/cm <sup>2</sup> | <input type="checkbox"/> 10bar | <input type="checkbox"/> 160psi | <input type="checkbox"/> 1000kPa |  |

| INS. GAUGE TYPE |                                               |                               |                                |                                 |
|-----------------|-----------------------------------------------|-------------------------------|--------------------------------|---------------------------------|
| *C              | <input type="checkbox"/> 2kgf/cm <sup>2</sup> | <input type="checkbox"/> 2bar | <input type="checkbox"/> 30psi | <input type="checkbox"/> 200kPa |

| *2                         | SERVICE              |
|----------------------------|----------------------|
| <input type="checkbox"/>   | -20~80°C <STANDARD>  |
| <input type="checkbox"/> L | -50~60°C <LOW TEMP.> |
| <input type="checkbox"/> H | 0~100°C <HIGH TEMP.> |

| *A *B CONNECTION    |         |                                                     |                                          |                                  |
|---------------------|---------|-----------------------------------------------------|------------------------------------------|----------------------------------|
| DESCRIPTION         | UNIT    | <input type="checkbox"/> kgf/cm <sup>2</sup><br>kPa | <input type="checkbox"/> bar, psi<br>kPa | <input type="checkbox"/> SPECIAL |
| *A AIR CONNECTION   | Rc 1/4" |                                                     | 1/4"NPT                                  |                                  |
| *B GAUGE CONNECTION | Rc 1/8" |                                                     | 1/8"NPT                                  |                                  |

Rc=PT

APPROX. WEIGHT: 1.3kg

NOTE:

FOR DOUBLE ACTING ACTUATOR

DRAWING No.

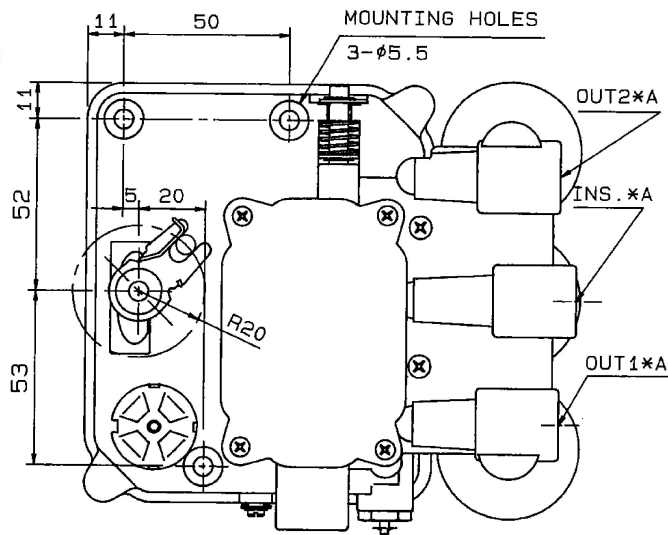
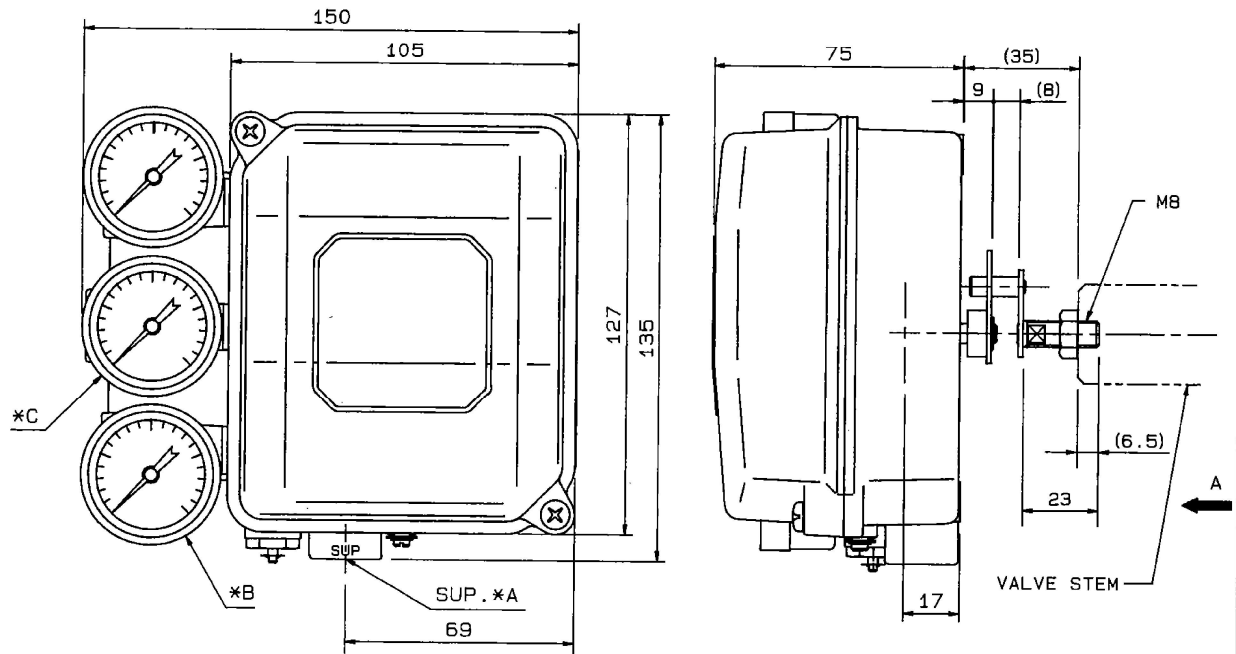
E-PPC802

REV

B

**KOSO**

# PNEUMATIC-PNEUMATIC POSITIONER



A VIEW

MODEL **PPC804-L** ☐ ☐  
\*1 \*2

| *1                          | GAUGE TYPE                                     |                                |                                 |                                  |  |
|-----------------------------|------------------------------------------------|--------------------------------|---------------------------------|----------------------------------|--|
| <input type="checkbox"/> 10 | <input type="checkbox"/> 10kgf/cm <sup>2</sup> | <input type="checkbox"/> 10bar | <input type="checkbox"/> 160psi | <input type="checkbox"/> 1000kPa |  |
| INS. GAUGE TYPE             |                                                |                                |                                 |                                  |  |
| *C                          | <input type="checkbox"/> 2kgf/cm <sup>2</sup>  | <input type="checkbox"/> 2bar  | <input type="checkbox"/> 30psi  | <input type="checkbox"/> 200kPa  |  |

| *2                         | SERVICE              |  |
|----------------------------|----------------------|--|
| <input type="checkbox"/>   | -20~80°C <STANDARD>  |  |
| <input type="checkbox"/> L | -50~60°C <LOW TEMP.> |  |
| <input type="checkbox"/> H | 0~100°C <HIGH TEMP.> |  |

| *A *B CONNECTION    |      |                                                     |                                          |                                  |
|---------------------|------|-----------------------------------------------------|------------------------------------------|----------------------------------|
| DESCRIPTION         | UNIT | <input type="checkbox"/> kgf/cm <sup>2</sup><br>kPa | <input type="checkbox"/> bar, psi<br>kPa | <input type="checkbox"/> SPECIAL |
| *A AIR CONNECTION   |      | Rc 1/4"                                             | 1/4"NPT                                  |                                  |
| *B GAUGE CONNECTION |      | Rc 1/8"                                             | 1/8"NPT                                  |                                  |

Rc=PT

APPROX. WEIGHT: 1.3kg

NOTE:

FOR DOUBLE ACTING ACTUATOR

DRAWING No.

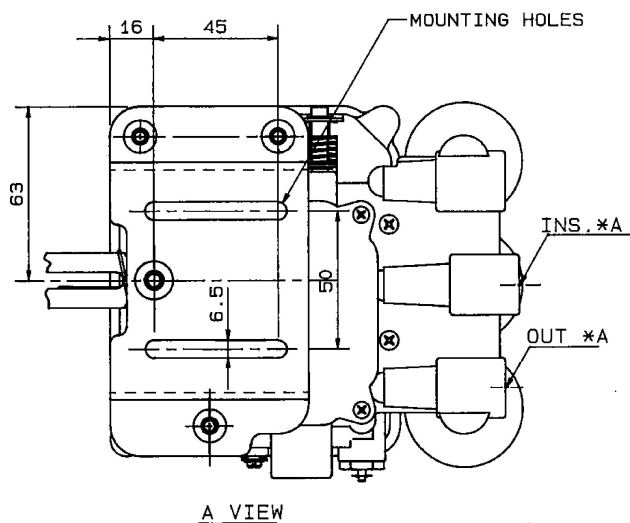
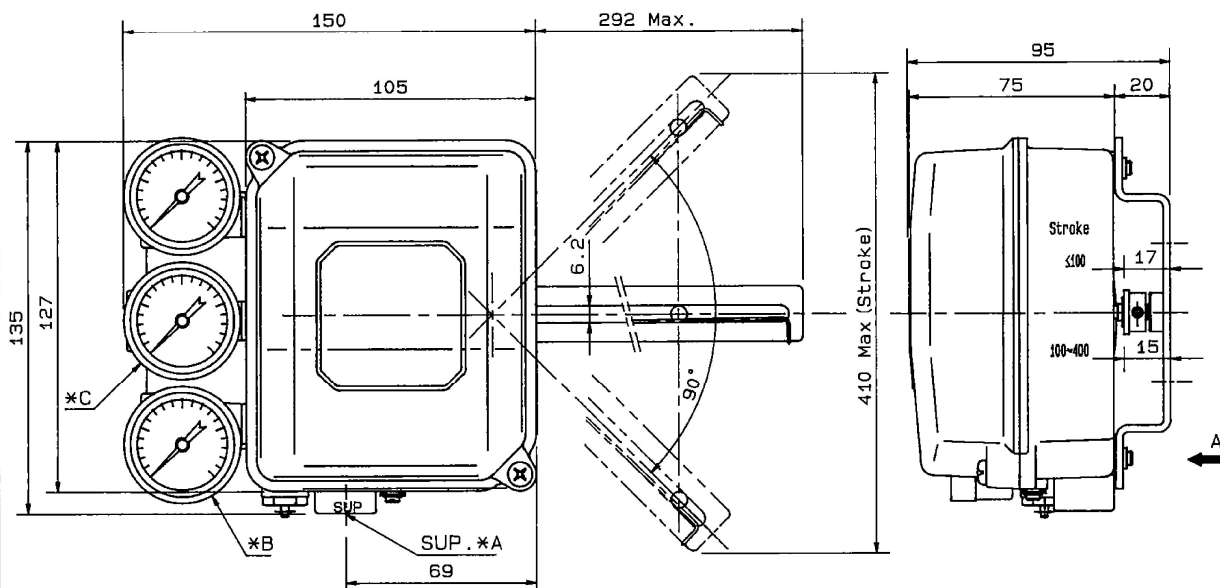
E-PPC804

REV

C

**KOSO**

# PNEUMATIC-PNEUMATIC POSITIONER



MODEL **PPC805-L** ☐ ☐

\*1 \*2

| *1                          | OUT GAUGE TYPE                                 |                                |                                 |                                  |  |
|-----------------------------|------------------------------------------------|--------------------------------|---------------------------------|----------------------------------|--|
| <input type="checkbox"/> 10 | <input type="checkbox"/> 10kgf/cm <sup>2</sup> | <input type="checkbox"/> 10bar | <input type="checkbox"/> 160psi | <input type="checkbox"/> 1000kPa |  |
| INS. GAUGE TYPE             |                                                |                                |                                 |                                  |  |
| *C                          | <input type="checkbox"/> 2kgf/cm <sup>2</sup>  | <input type="checkbox"/> 2bar  | <input type="checkbox"/> 30psi  | <input type="checkbox"/> 200kPa  |  |

| *2                         | SERVICE              |
|----------------------------|----------------------|
| <input type="checkbox"/>   | -20~80°C <STANDARD>  |
| <input type="checkbox"/> L | -50~60°C <LOW TEMP.> |
| <input type="checkbox"/> H | 0~100°C <HIGH TEMP.> |

| *A *B CONNECTION    |         |                                                     |                                          |
|---------------------|---------|-----------------------------------------------------|------------------------------------------|
| DESCRIPTION         | UNIT    | <input type="checkbox"/> kgf/cm <sup>2</sup><br>kPa | <input type="checkbox"/> bar, psi<br>kPa |
| *A AIR CONNECTION   | Rc 1/4" |                                                     | 1/4"NPT                                  |
| *B GAUGE CONNECTION | Rc 1/8" |                                                     | 1/8"NPT                                  |

Rc=PT

APPROX. WEIGHT: 1.5kg

NOTE:

FOR DOUBLE ACTING ACTUATOR

DRAWING No.

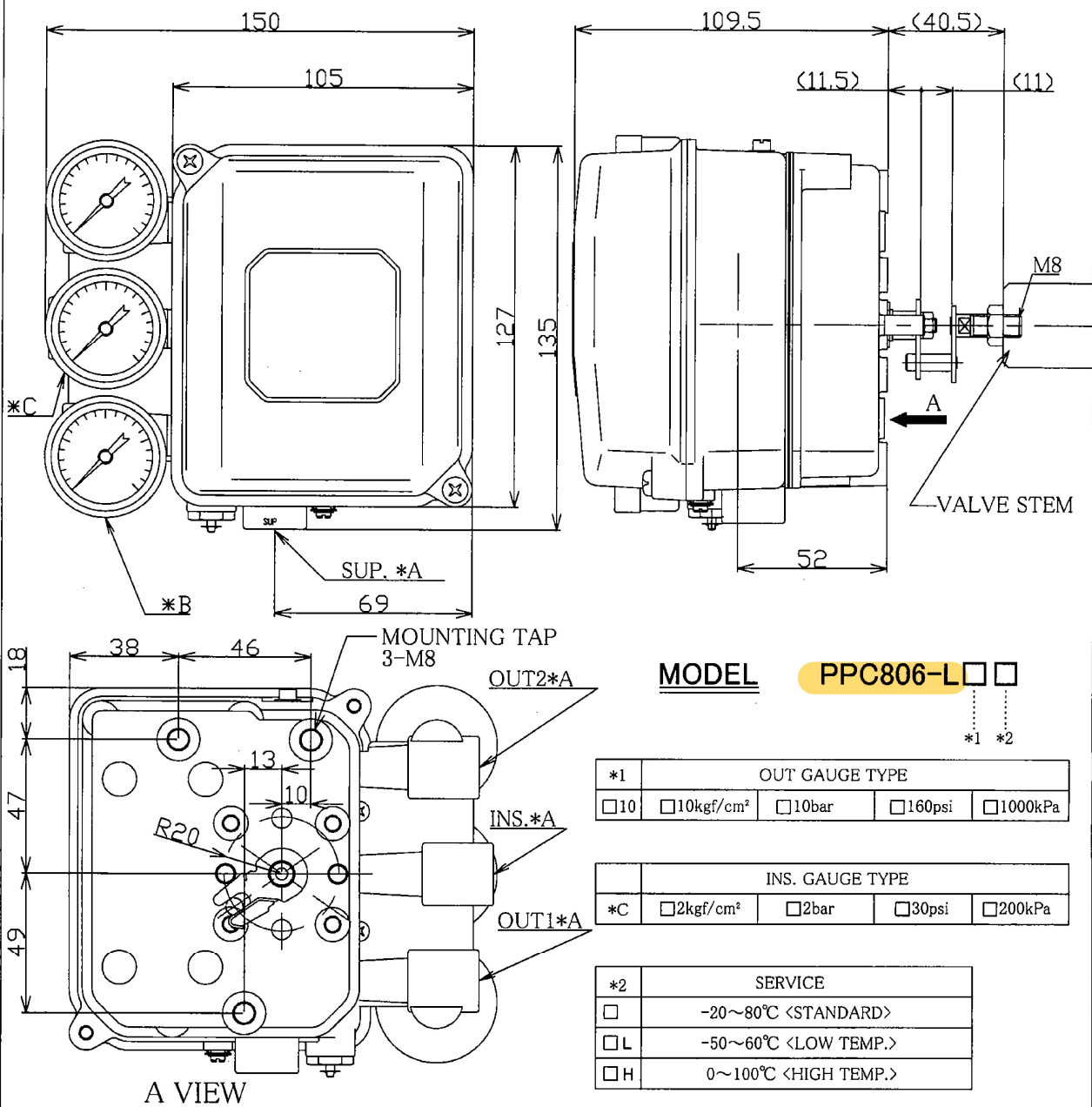
E-PPC805

REV

B

**KOSO**

# PNEUMATIC-PNEUMATIC POSITIONER



| *A *B CONNECTION    |      |                                              |                                  |                                  |
|---------------------|------|----------------------------------------------|----------------------------------|----------------------------------|
| DESCRIPTION         | UNIT | <input type="checkbox"/> kgf/cm <sup>2</sup> | <input type="checkbox"/> bar,psi | <input type="checkbox"/> SPECIAL |
|                     |      | <input type="checkbox"/> kPa                 | <input type="checkbox"/> kPa     |                                  |
| *A AIR CONNECTION   |      | Rc1/4"                                       | 1/4" NPT                         |                                  |
| *B GAUGE CONNECTION |      | Rc1/8"                                       | 1/8" NPT                         |                                  |

Rc=PT

APPROX.Weight:1.7kg

NOTE:

FOR DOUBLE ACTING ACTUATOR

DRAWING No.

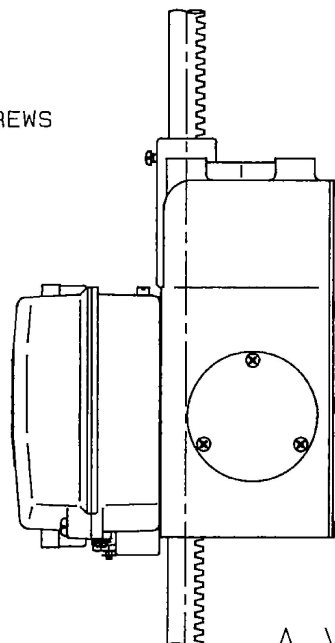
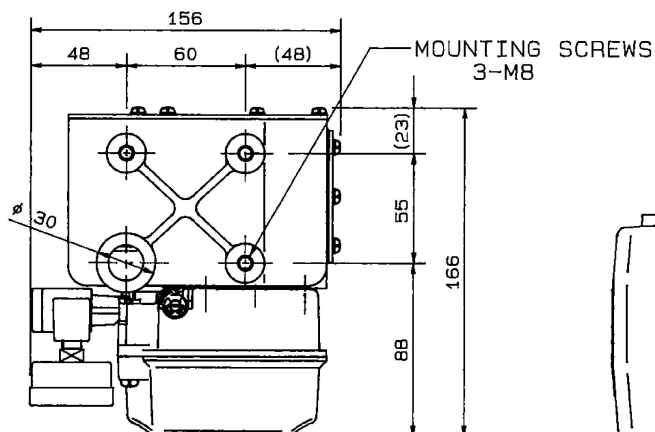
E-PPC806

REV

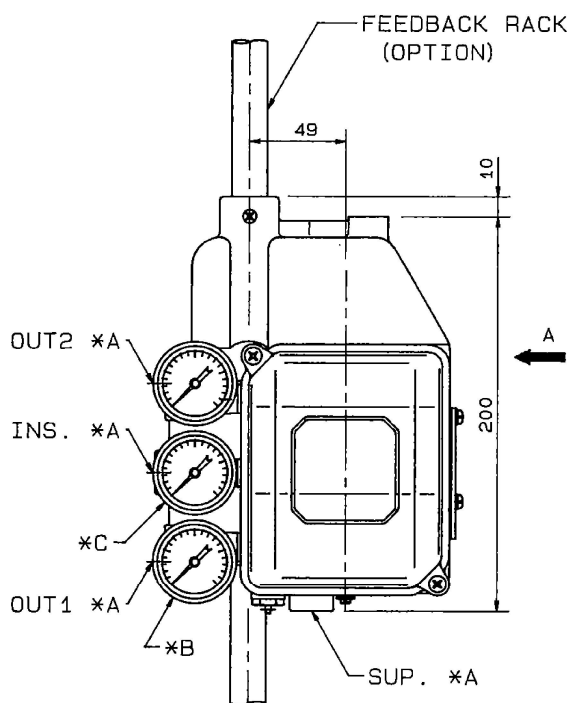
A

**KOSO**

# PNEUMATIC-PNEUMATIC POSITIONER



A VIEW



MODEL PPC808-L

\*1 \*2

| *1                          | GAUGE TYPE                                     |                                |                                 |                                  |  |
|-----------------------------|------------------------------------------------|--------------------------------|---------------------------------|----------------------------------|--|
| <input type="checkbox"/> 10 | <input type="checkbox"/> 10kgf/cm <sup>2</sup> | <input type="checkbox"/> 10bar | <input type="checkbox"/> 160psi | <input type="checkbox"/> 1000kPa |  |

| INS. GAUGE TYPE |                                               |                               |                                |                                 |
|-----------------|-----------------------------------------------|-------------------------------|--------------------------------|---------------------------------|
| *C              | <input type="checkbox"/> 2kgf/cm <sup>2</sup> | <input type="checkbox"/> 2bar | <input type="checkbox"/> 30psi | <input type="checkbox"/> 200kPa |

| *2                         | SERVICE              |
|----------------------------|----------------------|
| <input type="checkbox"/>   | -20~80°C <STANDARD>  |
| <input type="checkbox"/> L | -50~60°C <LOW TEMP.> |
| <input type="checkbox"/> H | 0~100°C <HIGH TEMP.> |

| *A *B CONNECTION    |      |                                                     |                                          |                                  |
|---------------------|------|-----------------------------------------------------|------------------------------------------|----------------------------------|
| DESCRIPTION         | UNIT | <input type="checkbox"/> kgf/cm <sup>2</sup><br>kPa | <input type="checkbox"/> bar, psi<br>kPa | <input type="checkbox"/> SPECIAL |
| *A AIR CONNECTION   |      | Rc 1/4"                                             | 1/4"NPT                                  |                                  |
| *B GAUGE CONNECTION |      | Rc 1/8"                                             | 1/8"NPT                                  |                                  |

Rc=PT

APPROX. WEIGHT: 2.9kg

NOTE:

FOR DOUBLE ACTING ACTUATOR

DRAWING No.

E-PPC808

REV

B

**KOSO**