



SUBMERSION TYPE LEVEL TRANSMITTER

730

FEATURE

- IP68 WATER-PROOF PROTECTED (UP TO 300M DEPTH)
- CERAMIC SENSOR DIAPHRAGM
- 316SS COMPACT BODY DESIGN
- MEASURING RANGE UP TO 20 Bar / 200M
- FEP OR PTFE OPTIONS CABLE FOR ANTICORROSIVE USAGE
- BUILT-IN ARRESTER FOR OPTIONAL SPECIFIED
- TENSILE STRENGTH UP TO 1000 N FOR PUR CABLE



FIELD INDICATOR (730D)

SPECIFICATIONS

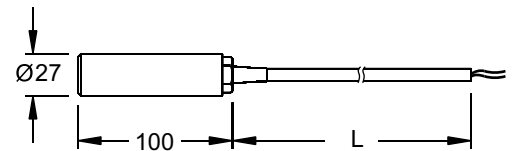
| ITEMS | | STANDARD | OPTIONS |
|---------------------------|-------|--|--|
| DETECTING SENSOR | | Positive gauge pressure and piezoresistive element. | |
| MEASURING RANGE | | 0~100 mbar to 0~20 bar | Less than 30 bar |
| OVERLOAD LIMIT | | 2 times the measuring span | $\leq 1 \text{ bar} \times 5 \text{ times}$ $\leq 4 \text{ bar} \times 4 \text{ times}$ $\leq 25 \text{ bar} \times 3 \text{ times}$ |
| OUTPUT SIGNAL | | 4~20mADC , 2 wire system | 1~5V DC or specified |
| DETECTING ACCURACY | | $\pm 0.5\%$ F.S. | $\pm 0.25\%$ F.S. |
| STABILITY / YEAR | | $\leq \pm 0.2\%$ F.S. | |
| REPEATABILITY | | $\leq \pm 0.05\%$ F.S. | |
| TEMPERATURE EFFECT | | $\pm 0.2\%$ / 10K , on zero and span | |
| RESPONSE TIME | | $\leq 1 \text{ ms}$ (within 10~90% F.S.) | |
| SIGNAL LOAD FOR CURRENT | | $\leq \text{UB (V) } 12\text{V} / 0.0\text{A}$ | |
| SIGNAL LOAD FOR VOLTAGE | | $\geq 1 \text{ m}\Omega$ | |
| POWER SUPPLY | | 12~36V DC | |
| POWER CONSUMPTION | | Current signal for 4~20mADC | Approx. 2mA~4 mA (Depending on signally) |
| MATERIAL | BODY | 1.4571 | |
| | CABLE | PVC | PUR / FEP / PTFE |
| ELECTRICAL PROTECTION | | Polarity , overload , and short circuit protection | Built-in arrester (according to IEC 801-5 / 1.5 KV) |
| STRUCTURE PROTECTION | | IP68 according to EN 60529 / IEC529 $\leq 100\text{M}$ | |
| MEDIUM TEMPERATURE | | -10~50°C | -10~70°C |
| STORAGE TEMPERATURE | | -20~70°C | -30~80°C |
| WEIGHT OF SENSOR | | Approx. 0.2 kg (without cable) | -30~80°C |
| ASSEMBLE COMPONENTS | | Junction box (730B) , Junction box with mounting bracket (730C) , Field indicator (730D) , Instrument stanchion, outdoor arrester etc. | |
| MOUNTING KITS OF DETECTOR | | Arrester , shelf , weight , mounting bracket , instrument stanchion etc. | |

MODEL SELECTION

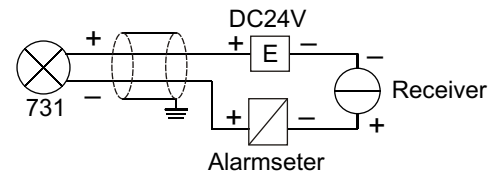
| ITEMS | CODE | SPECIFICATIONS |
|-----------------------------|------|--|
| ① MODEL | 730 | SUBMERSIBLE LEVEL TRANSMITTER |
| ② ASSEMBLED COMPONENTS | A | Not required |
| | B | Junction box (IP67), 1/2"NPT(F) |
| | C | Junction box (IP67) with Mounting bracket |
| | D | Field indicator (IP67), 1/2"NPT(F) and mounting brackets |
| | E | To be specified |
| ③ MEASURING RANGE | -01 | 0~100 mbar / 0~1.0 M |
| | -02 | 0~200 mbar / 0~2.0 M |
| | -03 | 0~250 mbar / 0~2.5 M |
| | -04 | 0~400 mbar / 0~4.0 M |
| | -05 | 0~600 mbar / 0~6.0 M |
| | -06 | 0~1.0 bar / 0~10 M |
| | -07 | 0~1.6 bar / 0~16 M |
| | -08 | 0~2.0 bar / 0~20 M |
| | -09 | 0~4.0 bar / 0~40 M |
| | -10 | 0~6.0 bar / 0~60 M |
| | -11 | 0~10 bar / 0~100 M |
| | -12 | 0~16 bar / 0~160 M |
| | -13 | 0~20 bar / 0~200 M |
| | -14 | To be specified |
| ④ OUTPUT SIGNAL | 0 | 4~20mA (2 wire system) |
| | 1 | To be specified |
| ⑤ ACCURACY | -A | ±0.5% F.S. (Standard) |
| | -B | ±0.25% F.S. |
| | -C | To be specified |
| ⑥ CABLE MATERIAL | A | PVC (Standard) |
| | B | PUR |
| | C | FEP |
| | D | PTFE |
| | E | To be specified |
| ⑦ CABLE LENGTH – "L" | A | Measuring range plus 2m (standard) |
| | B | To be specified (In meters) |
| ⑧ MOUNTING KITS OF DETECTOR | A | Not required |
| | B | Shelf (304SS material) |
| | C | Weight (304SS material) |
| | D | To be specified |

DIMENSION

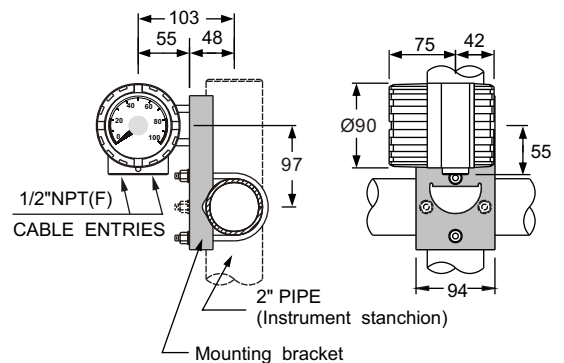
(mm)



WIRING CONNECTION



INSTALLATION EXAMPLE FOR FIELD INDICATOR VERSION "D"



Note : Both indicating meter and mounting bracket of converter can be rotated by 90° and are suitable to be mounted on vertical / horizontal pipes.

The specifications are subject to change without prior notice.

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