

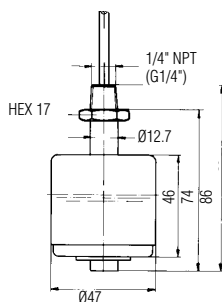
# Single level switches LS-1900, LS-1900T, LS-1950E, LS-74780

## SINGLE POINT

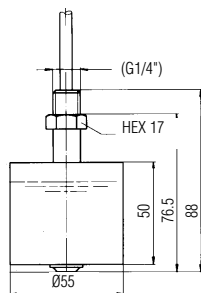
## LEVEL SWITCHES


**LS-1900**

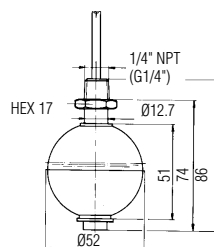
With large float displacement, switch withstands rough service; is suitable for high viscosity liquids.


**LS-1900T**

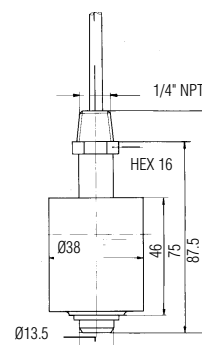
Resists build-up of foreign material or sticky media. Float travel remains uninhibited in viscous or corrosive liquids.


**LS-1950E**

Exceptionally accurate and rugged for higher temperatures and in pressurised or corrosive liquids. For oils, water and chemicals.


**LS-74780**

Particularly well suited for rough service. Ideal for use in chemical and plating applications.



### Specifications

|                                                                               | LS-1900                                    | LS-1900T                                                                                               | LS-1950                                           | LS-74780                                    |
|-------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|
| <b>Materials</b>                                                              |                                            |                                                                                                        |                                                   |                                             |
| Stem                                                                          | Brass or S Steel                           | PTFE                                                                                                   | S Steel                                           | CPVC                                        |
| Float                                                                         | Buna N                                     | PTFE                                                                                                   | S Steel                                           | CPVC                                        |
| <b>Operating pressure</b>                                                     | 10 bar                                     | 3 bar                                                                                                  | 30 bar                                            | 1 bar                                       |
| <b>Temperature: -40°C to</b><br>(Note: PVC cable<br>Limited to +80°C Ambient) | +80 °C Water<br>+110°C Oil                 | +150°C                                                                                                 | +150°C<br><br>Hi-temp. version - Fly lead: +200°C | +80°C                                       |
| <b>Depth of immersion<br/>at a density of 1</b>                               | ~19 mm                                     | ~ 34 mm                                                                                                | ~ 30 mm                                           | ~ 28 mm                                     |
| <b>Min. specific gravity<br/>of the liquid</b>                                | 0.55 g/cm3                                 | 0.80 g/cm3                                                                                             | 0.75 g/cm3                                        | 0.85 g/cm3                                  |
| <b>Type of reed switch</b>                                                    | SPST 100 VA; SPDT 20 VA                    | SPST 100 VA; SPDT 20 VA                                                                                | SPST 100 VA; SPDT 20 VA                           | SPST 20 VA                                  |
| <b>Electrical connection<br/>(Length approx. 1m)</b>                          | Fly lead: AWG 20 FEP<br>Cable: 0.34mm2 PVC | Fly lead: AWG 20 FEP<br>Cable: 0.5mm2 silicone<br>Cable: 0.34mm2 PVC<br>Hi-temp. version - AWG 18 PTFE | Fly lead: AWG 20 FEP<br>Cable: 0.5mm2 silicone*   | Fly lead: AWG 18 PVC<br>(Length appr. 0.6m) |
| <b>Mounting thread</b>                                                        | 1/4" NPT*; -G 1/4                          | G 1/4                                                                                                  | G 1/4                                             | 1/4" NPT                                    |
| <b>Protection rating</b>                                                      | IP64                                       | IP64<br>Hi-temp IP60                                                                                   | IP64                                              | IP64                                        |
| <b>Weight approx.</b>                                                         | 110 g                                      | 120g                                                                                                   | 125g                                              | 65g                                         |

### How to Order

| Stem, Float, Mounting Electrical Connection | LS-1900               | LS-1900T      | LS-1950E              | LS-74780           |
|---------------------------------------------|-----------------------|---------------|-----------------------|--------------------|
| Brass/Buna, NPT, cable                      | 010-2934 NO/NC        | 010-2936 SPDT |                       |                    |
| Brass/Buna, NPT, leads                      | 013-5676 NO/NC        | 010-2575 SPDT |                       |                    |
| Brass/Buna, G, cable                        | <b>011-1900</b> NO/NC |               |                       |                    |
| SSteel/Buna, NPT, cable                     | 010-2935 NO/NC        | 010-2937 SPDT |                       |                    |
| SSteel/Buna, NPT, leads                     | 013-5682 NO/NC        | 010-2576 SPDT |                       |                    |
| SSteel/SSteel, G, cable PVC                 |                       |               | <b>011-1950</b> NO/NC |                    |
| SSteel/SSteel, G, leads                     |                       |               | <b>014-1254</b> NO/NC | 010-3109 SPDT      |
| SSteel/SSteel, G, cable Silicon             |                       |               | 010-3457 NO/NC        | 010-3089 SPDT      |
| SSteel/SSteel, NPT, leads, Hi-Temp          |                       |               | 013-6186 NO/NC        |                    |
| SSteel/SSteel, G, leads, Hi-Temp            |                       |               | 010-0391 NO/NC        |                    |
| SSteel/SSteel, NPT, cable Silicon           |                       |               | 010-2942 NO/NC        | 010-2943 SPDT      |
| SSteel/SSteel, NPT, leads                   |                       |               | 012-6717 NO/NC        | 012-3498 SPDT      |
| PTFE/PTFE, G, cable                         |                       | 010-2697 NO   | 010-2866 NC           |                    |
| PTFE/PTFE, G, leads                         |                       | 010-3451 NO   | 010-3450 NC           |                    |
| PTFE/PTFE, G, cable                         |                       | 010-3054 SPDT |                       |                    |
| PTFE/PTFE, G, leads                         |                       | 010-3452 SPDT |                       |                    |
| CPVC/CPVC, NPT, leads                       |                       |               |                       | <b>74780</b> NO/NC |

Standard Products in **bold**