

DX-ELG series Ex-proof magnetic by-pass level indicators are assembled onto external or upper surfaces of tank, boiler and storage tanks.

It enables to see level easily and with high accuracy. It is more economic than other measurement systems with mechanical method and it provides advantages for user with various assembly forms together with easy of assembly and maintenance.

### Working Principle :

Liquid levels are the same in the main body of tank and level indicator in accordance with the principle of computational fluid. Float, which is available in the body and provides its rotation. Liquid level can be monitored easily from outside by means of two faces of flaps with different colors. Each indicator is delivered to customer after they are undergone from pressure, impermeability and final control tests after the production.

The magnetic indicator consists of a sequential arrangement of magnet-sensitive flaps within a stainless steel profile.



### Certification



II ½ G Ex h IIC Tx Ga/Gb For Gas  
II 2D Ex h IIC Tx Db For Dust  
(-20°C ≤ Tamb ≤ (+)60°C...(+)80°C

# DX-ELG

## MAGNETIC BY-PASS LEVEL GAUGE

**DX-ELG** ( Max. 16 bar / 25 bar )

**DX-ELGs** ( Max. 16 bar )

**DX-ELGk** ( Max. 40 bar )

**DX-ELGy** ( Max. 100 bar )

**DX-ELGu** ( Max. 16 bar )

**DX-ELGh** ( Max. 25 bar ) - Coated

### Advantages :

- \* For visual monitoring and control
- \* Different connection options
- \* Fluid-appropriate material options
- \* Local digital display
- \* Special float options

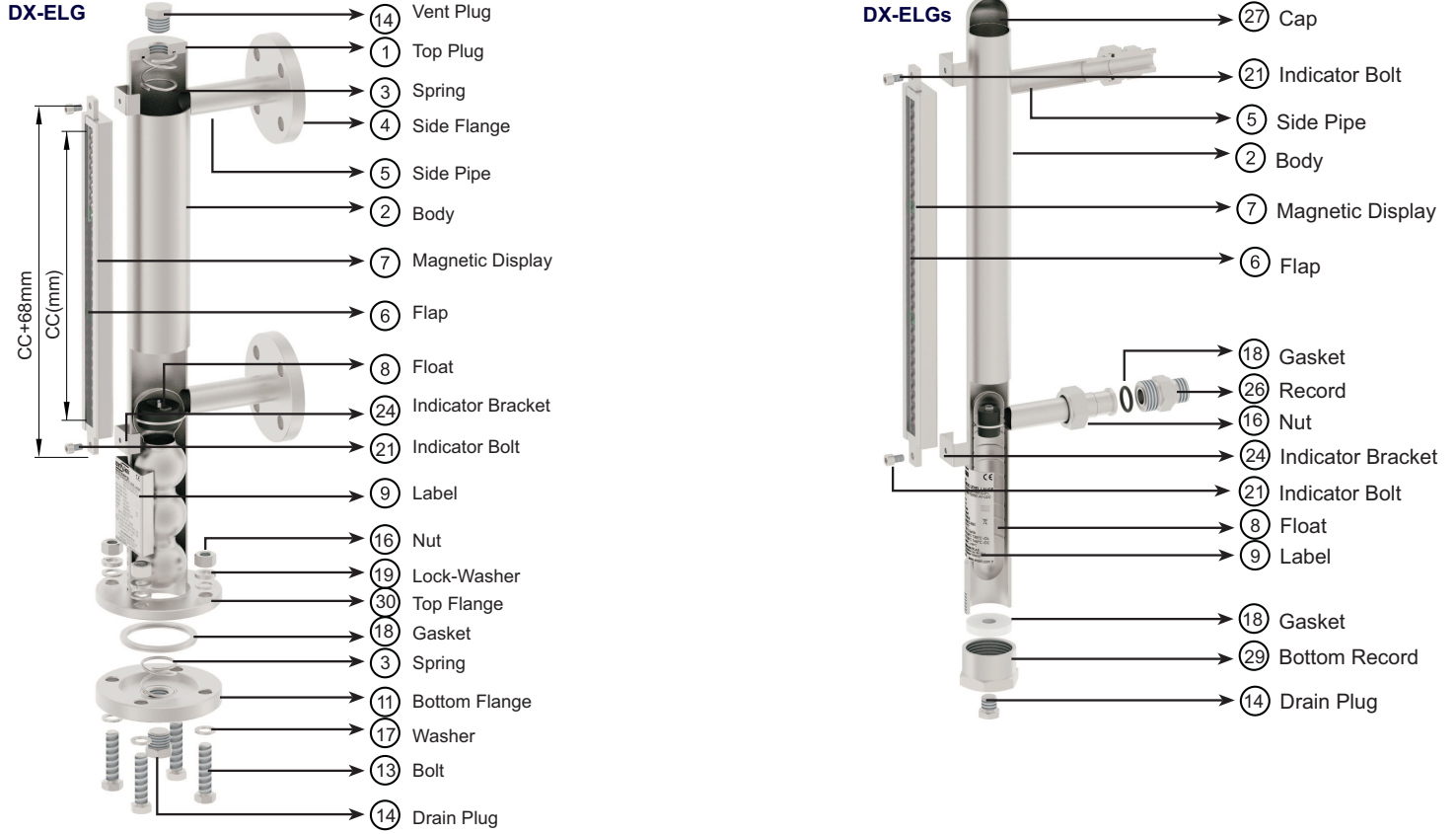
CE 2284



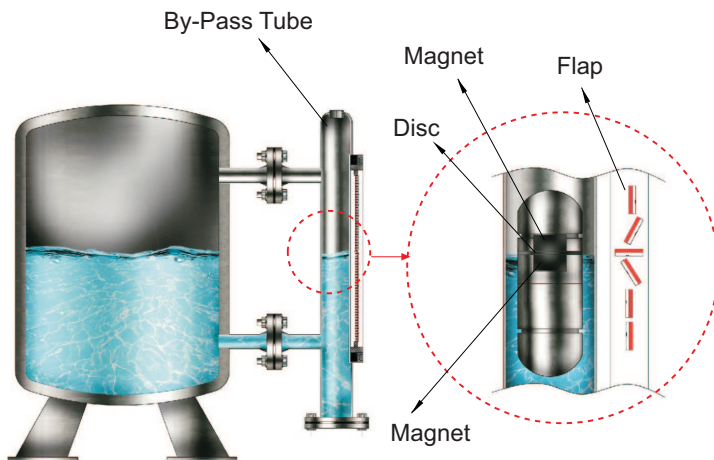
### Technical Specifications :

|                           |                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Working Pressure          | 16 bar, 25 bar, 40 bar, 100 bar                                                                                                                                                                                  |
| Working Temperature       | (-)40...(+) 180 °C , (-)40...(+) 360 °C                                                                                                                                                                          |
| Working Intensity         | Min.0,50 g/cm³ ... Max.2,00 g/cm³                                                                                                                                                                                |
| Between Two Flange (CC)mm | Min.200 mm....Max.6000 mm (One Piece)<br>Max. 12 m. It can be manufactured in parts.<br>Ø 38 x 1,5 mm PN 16                                                                                                      |
| Body                      | Ø 60,3 x1,5 mm PN 16 / 25<br>Ø 60,3 x2 mm PN 40<br>Ø 63,5 x3 mm PN 100 Custom size can be made.<br>Ø 70x2 mm PN 25 Heating Jacket                                                                                |
| Bottom                    | Ø115 (Std) , Ø140, Ø150, Ø165 mm PN 16 / 25 , 150/300 LBS                                                                                                                                                        |
| Upper Pipe Flange         | Ø115 (Std) , Ø140, Ø150, Ø165 mm PN 40,1600 LBS<br>Ø140, Ø170 (Std) , Ø195 PN 100, 900/1500 LBS                                                                                                                  |
| Process Connection        | Threaded..1/2"BSP (Std.) , 3/4"BSP , 1"BSP<br>Flanged, EN 1092-1...DN 20...DN 100 PN 16 / 25 / 40 / 100 bar<br>ANSI B16.5...3/4"...4" 150/300/600/900/1500 LBS<br>JIS (RTJ)...3/4"...4" 150/300/600/900/1500 LBS |
| Side Pipe                 | 3/4"BSP (Std.)                                                                                                                                                                                                   |
| Evacuation Record         | 1/2"BSP (Std.) , 3/4"BSP , 1"BSP                                                                                                                                                                                 |
| Bolt / Nut / Washer       | M12 , M16 Opt. Measurement can be made.                                                                                                                                                                          |
| Material                  | 304 St.St. (Std.) Opt. 316 St.St. , Titanium                                                                                                                                                                     |
| Body                      | 304 St.St. (Std.) Opt. 316 St.St. , Titanium                                                                                                                                                                     |
| Side Pipe                 | 304 St.St. (Std.) Opt. 316 St.St. , Titanium                                                                                                                                                                     |
| Connection                | 304 St.St. (Std.) Opt. 316 St.St. , Titanium                                                                                                                                                                     |
| Float                     | 304 St.St. (Std.) Opt. 316 St.St. , Titanium                                                                                                                                                                     |
| Evacuation Record         | 304 St.St. (Std.) Opt. 316 St.St. , Titanium                                                                                                                                                                     |
| Bolt+Nut+Washer           | Plastic ( Max.180 °C ) , Ceramic (Max. 350 °C) Glass(180°C)                                                                                                                                                      |
| Flap                      | 304 St.St. (Std.)                                                                                                                                                                                                |
| Flap Housing              | Pleksiglass , Glass                                                                                                                                                                                              |
| Flap Protection           | 304 St.St.                                                                                                                                                                                                       |
| Scale                     | Klingrid, PTFE, Graphite, Silicon,Viton                                                                                                                                                                          |
| Gasket                    | Scale , Drain Valve                                                                                                                                                                                              |
| Optional                  | Special Design , Double Body Design                                                                                                                                                                              |

## Accessories:

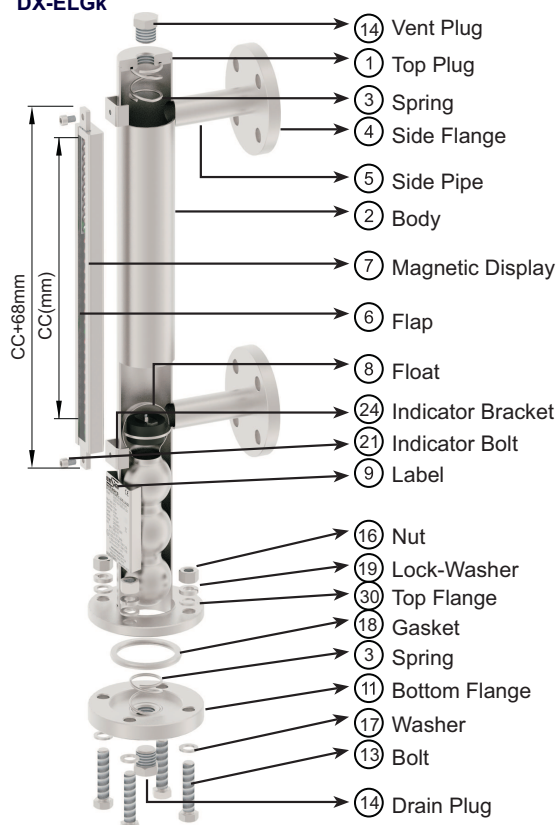


## Product Label :

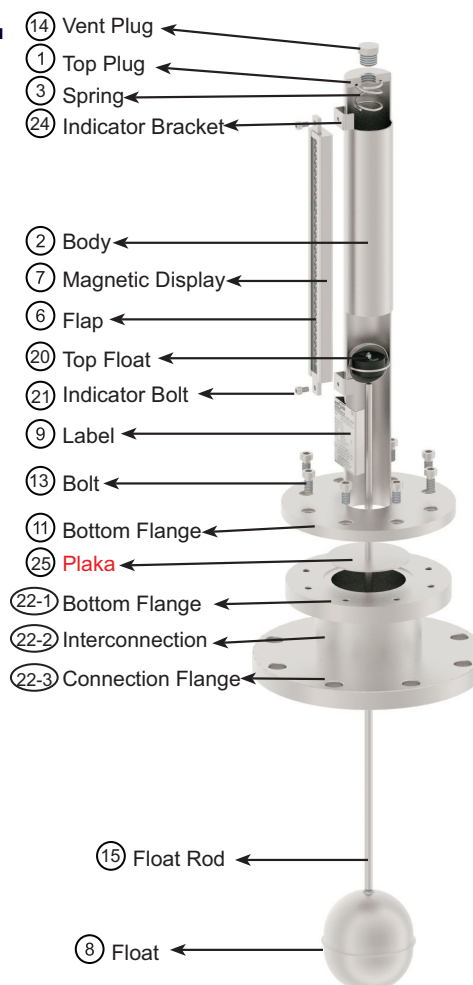


| Manufacturer Brand               |                                                                                                                                         | Approval Sign                                              |  |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|
| ensim<br>sensors                 |                                                                                                                                         | CE<br>2284                                                 |  |
| BY-PASS MAGNETIC LEVEL LAUGE     |                                                                                                                                         |                                                            |  |
| Model                            | Type                                                                                                                                    | : DX-ELG101-001-087-G-P1-0503-1140-Y2/0501-A1-U2/0         |  |
| Working Conditions               | Max. Temp.                                                                                                                              | : (+)60 °C                                                 |  |
|                                  | Max. Press.                                                                                                                             | : 16 bar                                                   |  |
|                                  | Test Press.                                                                                                                             | : 25 bar                                                   |  |
|                                  | Lenght (C-C)                                                                                                                            | : 1140 mm                                                  |  |
| Connection Size                  | Min. Density                                                                                                                            | : 0,80 g/cm³                                               |  |
|                                  | Flange                                                                                                                                  | : DN20 PN16                                                |  |
| Serial Number                    | S.N.                                                                                                                                    | : IE23010072-0001                                          |  |
| Explosive Environment Protection | IEP23ATEX1186X<br>II ½ G Ex h IIC Tx Ga/Gb<br>II 2D Ex h IIC Tx Db<br>(-)20°C ≤ Tamb ≤ (+)60°C...(+80°C                                 |                                                            |  |
| ATEX Classes                     |                                                                                                                                         |                                                            |  |
| Manufacturer                     | LONCA MAKİNA SAN.TİC.A.Ş.<br>Ferhatpaşa Mah. 37 Sok. No:78A<br>34888 Ataşehir / İstanbul TÜRKİYE<br>MADE IN TÜRKİYE    www.ensim.com.tr |                                                            |  |
|                                  |                                                                                                                                         | Warning Symbols<br>Warning Symbols<br>Manufacturer Website |  |

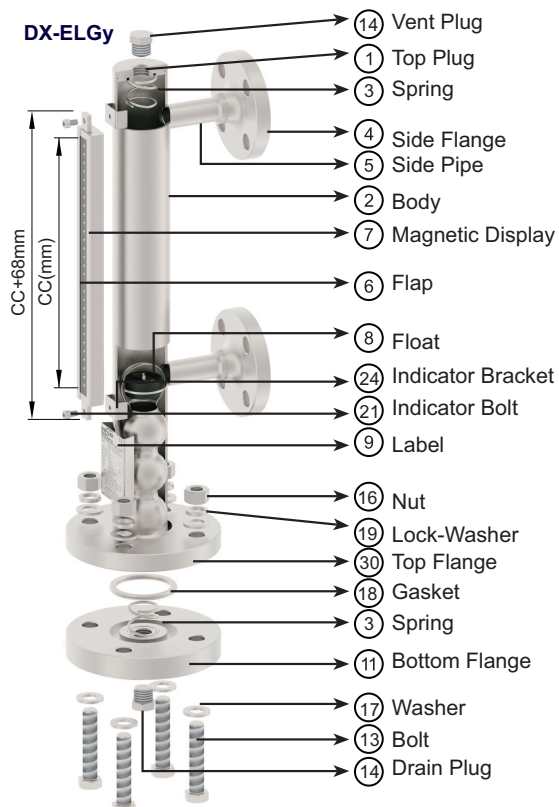
### DX-ELGk



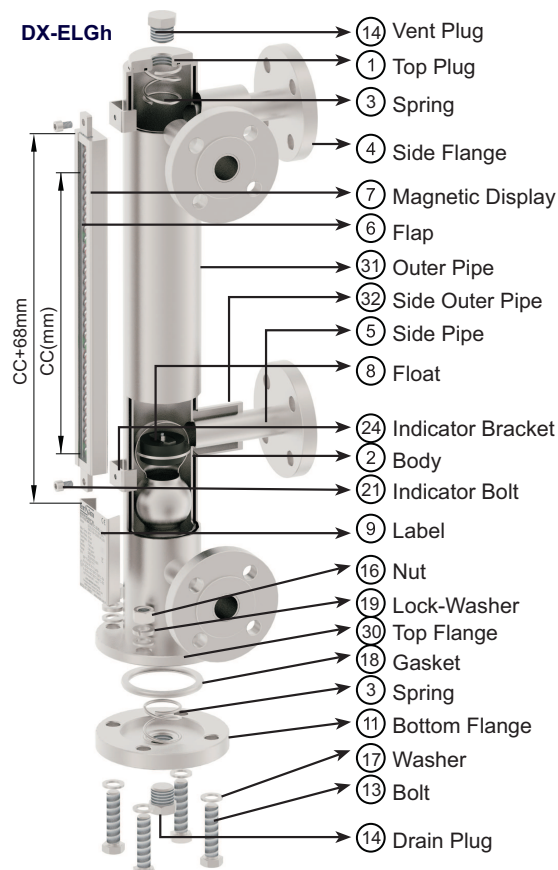
### DX-ELGu



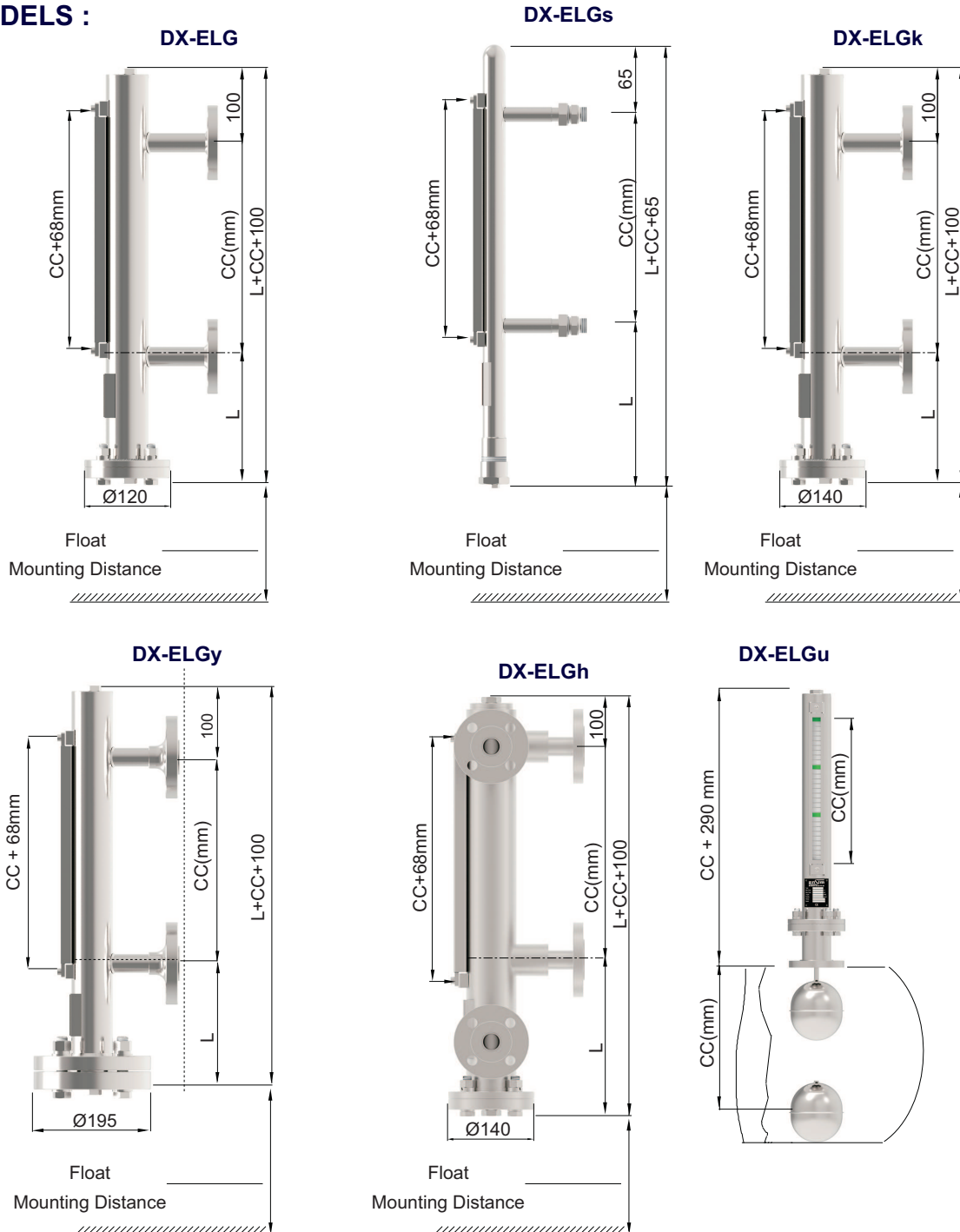
### DX-ELGy



### DX-ELGh



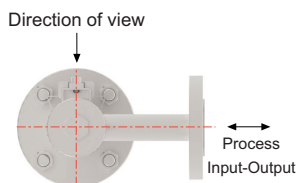
## SAMPLE MODELS :



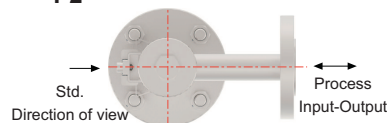
## Indicator

### Place :

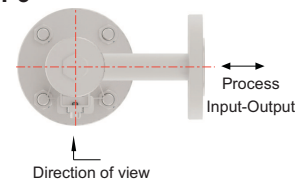
P1



P2



P3



## TRANSMITTER

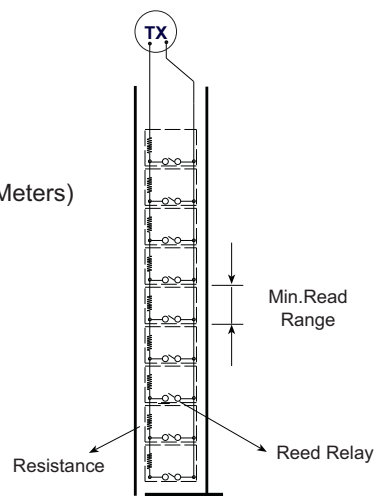
### DX-ELG-T9

|                            |                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing                    | Aluminium                                                                                                                                                |
| Tube Material              | 304 Stainless Steel                                                                                                                                      |
| Min. Measure.Distance      | 15 mm or 10 mm or 5 mm                                                                                                                                   |
| Power Supply               | 10...36 VDC                                                                                                                                              |
| Output                     | 2 Wire 4-20 mA,<br>3-180, 10-180, 240-33 Ohm<br>Opt. HART<br>3 Wire 4-20 mA, 0-20 mA,<br>20-4 mA, 20-0 mA,<br>0-10 V, 10-0 V, 1-5 V, 5-1 V, 0-5 V, 5-0 V |
| Clamp material             | 304 Stainless Steel                                                                                                                                      |
| Electrical Connection      | Terminal                                                                                                                                                 |
| Operation Temperature      | (-) 20 °C...(+) 145 °C                                                                                                                                   |
| Protection Class (EN60529) | IP 66 / 68                                                                                                                                               |
| Working Temperature        | (-) 40 °C...(+) 40 °C                                                                                                                                    |
|                            | It's attached to body clamp                                                                                                                              |



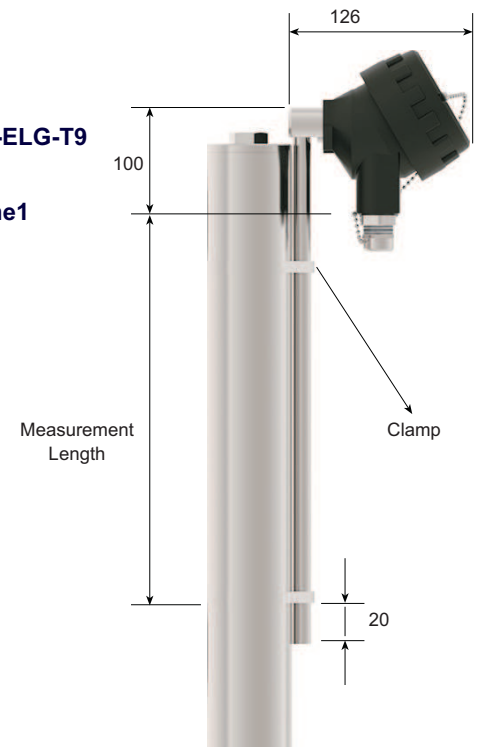
### Certification

- Ex** II 2G Ex db IIC TX<sup>1</sup> Gb For Gas  
 II 2D Ex tb IIC TX<sup>2</sup> Db For Dust  
 -20°C ≤ Tamb ≤ +60°C, IP 66/68 (2 Metre / 2 Meters)  
 \* Have a look at the temperature class chart.



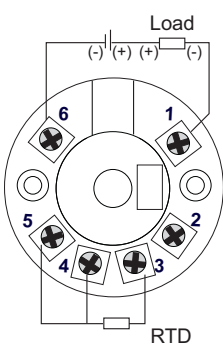
### DX-ELG-T9

#### Zone1

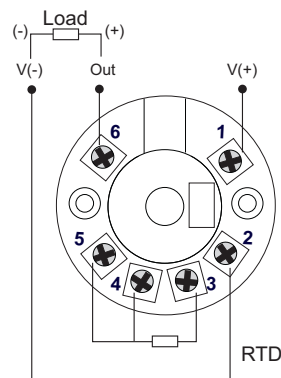


## Electrical Connection :

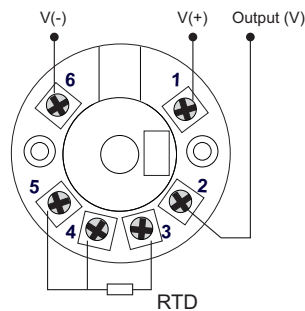
### 4-20mA Two Wires



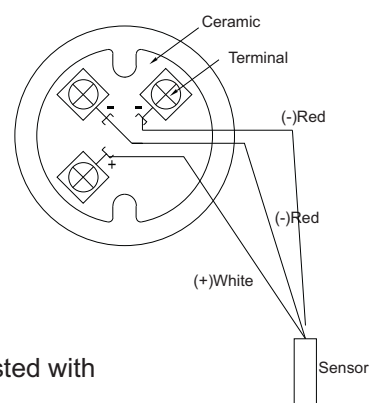
### 4-20mA Three Wires



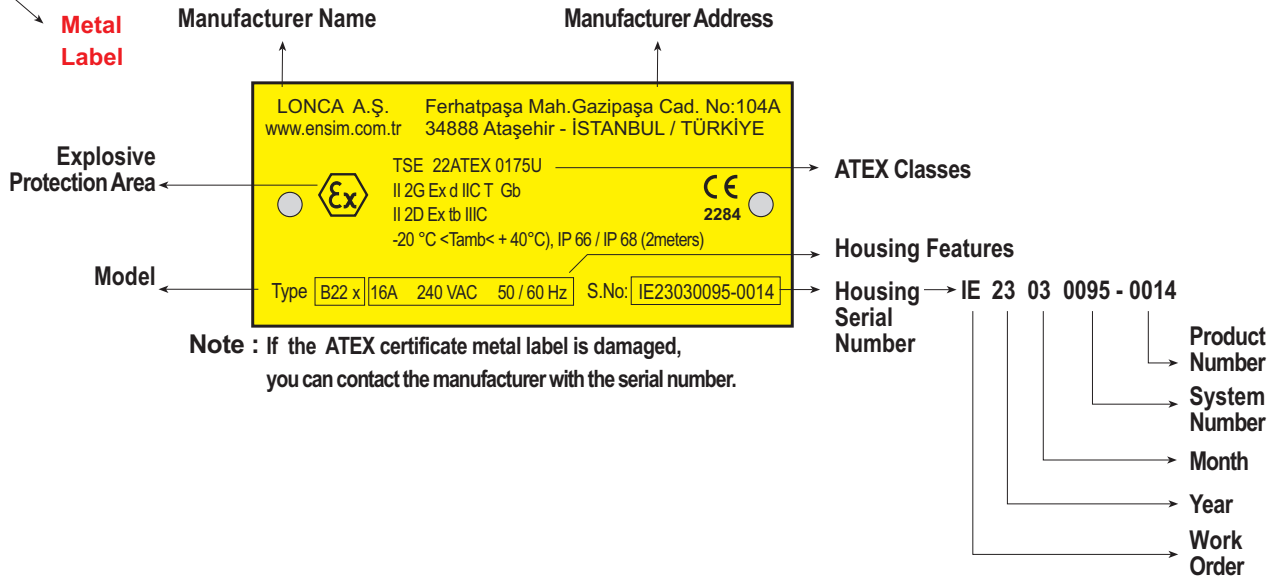
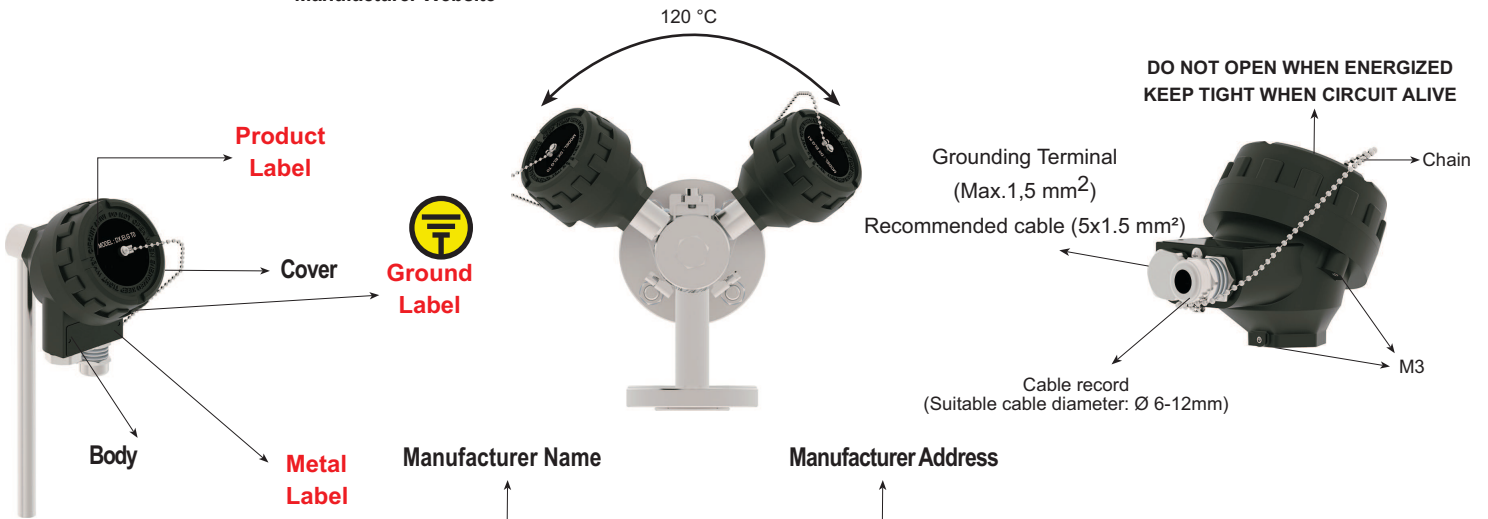
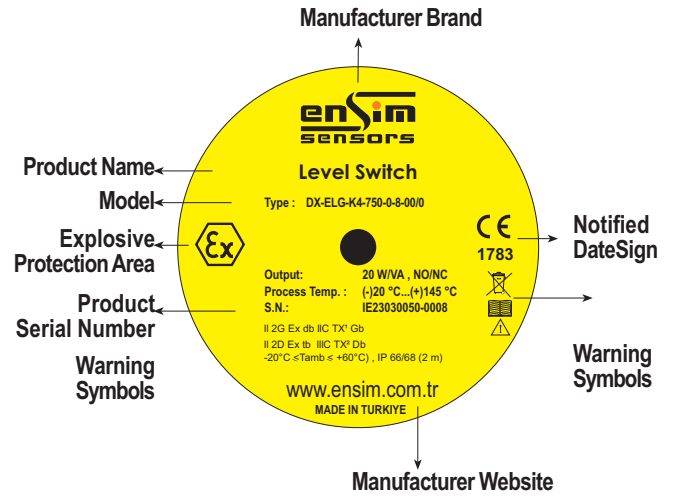
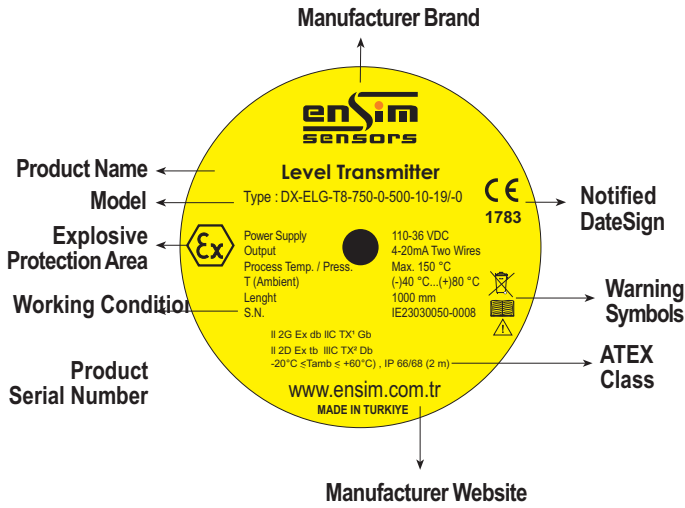
### 0-5V, 1-5V, 0-10V Three Wires



### pt100 or pt1000



**Note :** It has been produced according to IPC A 600 class 2 conditions and tested with 100 % E-test. Moreover, HASL (non-lead) surface test has been applied.



## Housing:

| ORDER CODE | TYPE | MATERIAL  | PROTECTION CLASS | TEMPERATURE (°C) | SIZE a x b (mm) |
|------------|------|-----------|------------------|------------------|-----------------|
| 750        | B22x | Aluminium | IP 66 / 68       | (-) 40...(+) 200 | 117 x 102       |

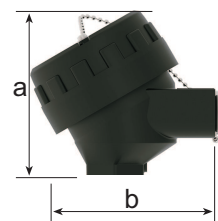
Cover Seal : NBR Nitrile Rubber 120 °C, Opt. FPM (Vitón) 200 °C)

EU-Type Examination Certificate Number : TSE 22ATEX 0175U

The marking of the equipment :



Aluminium



B22x

## Connection Forms :

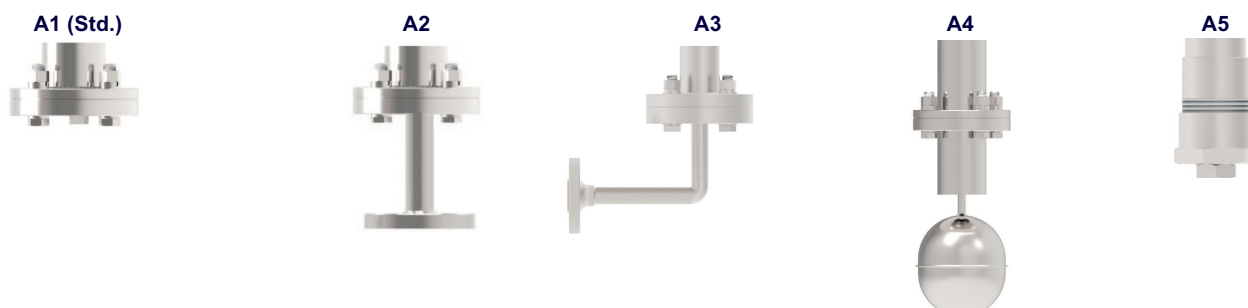
### Top Body Connection:



### Process Connection :



### Bottom Body Connection:

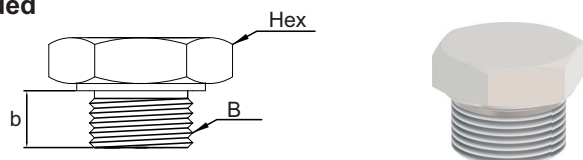


**Temperature Class Table**

| (-) 20° C ≤ Ta Ambient ≤ (+) 30° C ... (+) 60° C |                          | Working Temperature: (-) 40° C ... (+) 180° C , (-) 40 ... (+) 360° C |                               |
|--------------------------------------------------|--------------------------|-----------------------------------------------------------------------|-------------------------------|
| MODEL                                            |                          | DX-ELG , DX-ELGs , DX-ELGk , DX-ELGy , DX-ELGu , DX-ELGh              |                               |
| Without opening the cover standby time           |                          | 30 min. (-) 40 ... (+) 180° C                                         | 60 min. (-) 40 ... (+) 360° C |
| TEMPERATURE CLASS                                | MAX. SURFACE TEMPERATURE | MAX. PROCESS TEMPERATURE                                              |                               |
| T6                                               | T 85° C                  | T 65° C                                                               |                               |
| T5                                               | T 100° C                 | T 80° C                                                               |                               |
| T4                                               | T 135° C                 | T 100° C                                                              |                               |
| T3                                               | T 200° C                 | T 160° C                                                              |                               |
| T2                                               | T 300° C                 | T 240° C                                                              |                               |
| T1                                               | T 450° C                 | T 360° C                                                              |                               |

## Mechanical Connections:

### Threaded



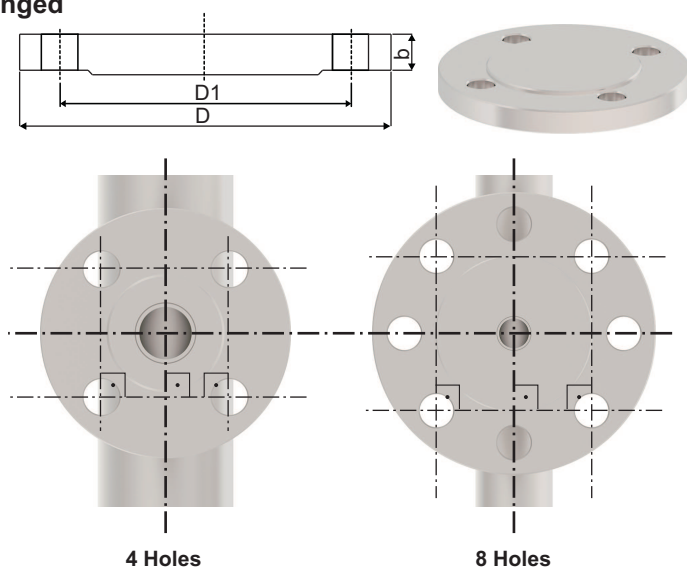
#### ISO228-1

| Order Code | Size       |
|------------|------------|
| 0005       | 3/4" BSP   |
| 0006       | 1" BSP     |
| 0008       | 1 1/2" BSP |
| 0009       | 2" BSP     |
| 0204       | 3/4" NPT   |
| 0205       | 1" NPT     |
| 0207       | 1 1/2" NPT |
| 0208       | 2" NPT     |

#### ANSI B 16.5

| Order Code | Size   | Pressure Class |
|------------|--------|----------------|
| 1001       | 3/4"   | 150 Lb         |
| 1002       | 1"     |                |
| 1004       | 1 1/2" | Opt.           |
| 1005       | 2"     | 300 LB         |
| 1006       | 2 1/2" | 600 LB         |
| 1007       | 3"     | 900 LB         |
| 1008       | 4"     |                |
| 1010       | 6"     |                |
| 1011       | 8"     |                |

### Flanged



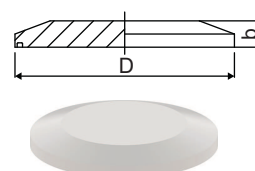
#### ISO1092-1

| Order Code | Size   | Pressure Class |
|------------|--------|----------------|
| 0501       | DN 20  | PN 16          |
| 0502       | DN 25  |                |
| 0503       | DN 32  |                |
| 0504       | DN 40  | Opt.           |
| 0505       | DN 50  | PN 25          |
| 0506       | DN 65  | PN 40          |
| 0507       | DN 80  | PN 100         |
| 0508       | DN 100 |                |
| 0510       | DN 150 |                |
| 0510       | DN 200 |                |

#### JIS B 2220

| Order Code | Size   | Pressure Class |
|------------|--------|----------------|
| 2501       | 3/4"   | 5K             |
| 2502       | 1"     |                |
| 2504       | 1 1/2" | 10K            |
| 2505       | 2"     | 16K            |
| 2506       | 2 1/2" |                |
| 2507       | 3"     | 30K            |
| 2508       | 4"     | 40K            |
| 2510       | 6"     |                |
| 2511       | 8"     | 63K            |

### Clamp



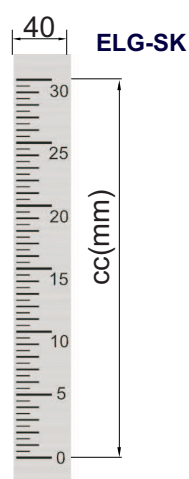
#### ISO2852

| Order Code | Size  |
|------------|-------|
| 1501       | DN 32 |
| 1502       | DN 50 |
| 1503       | DN 65 |

## SCALE

### ELG - SK

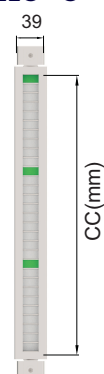
|                     |                       |
|---------------------|-----------------------|
| Material            | 304 Stainless Steel   |
| Dimension (CC)      | 40 x 1.5 mm           |
| Working Temperature | (-)20 °C...(+) 350 °C |



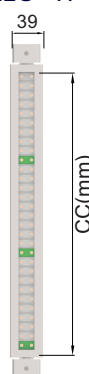
## DISPLAY :

|                  | ELG - G                                                                                 | ELG - H                                                                                   | ELG - F                |
|------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------|
| Case             | 304 Stainless Steel                                                                     | 304 Stainless Steel                                                                       | 304 Stainless Steel    |
| Flaps            | Plastic                                                                                 | Ceramic                                                                                   | Aluminium              |
| Colour           | Red / White                                                                             | Red / White                                                                               | Red                    |
| Max. Temperature | (-) 20 °C...(+) 180 °C                                                                  | Optional (-)20 °C...(+) 350 °C                                                            | (-) 20 °C...(+) 180 °C |
| Min. Length      | 50 mm<br>Remote monitoring is provided easily by using a different color in each 100mm. | 50 mm<br>also using a different color for every 100 mmIt provided remote monitoring easy. | Min.200 mm             |
| Flap Protection  | Plexiglass                                                                              | Glass                                                                                     | Glass                  |

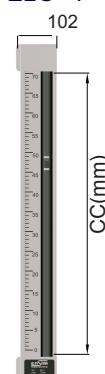
ELG - G



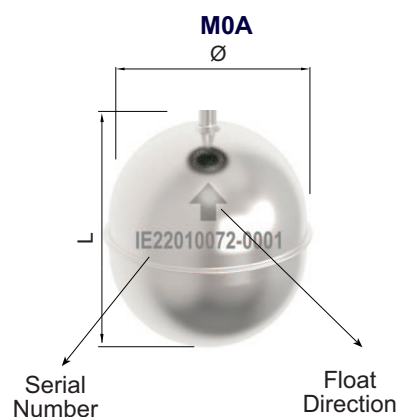
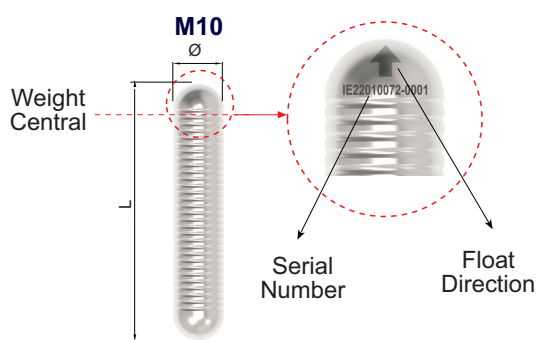
ELG - H



ELG - F



## FLOAT :

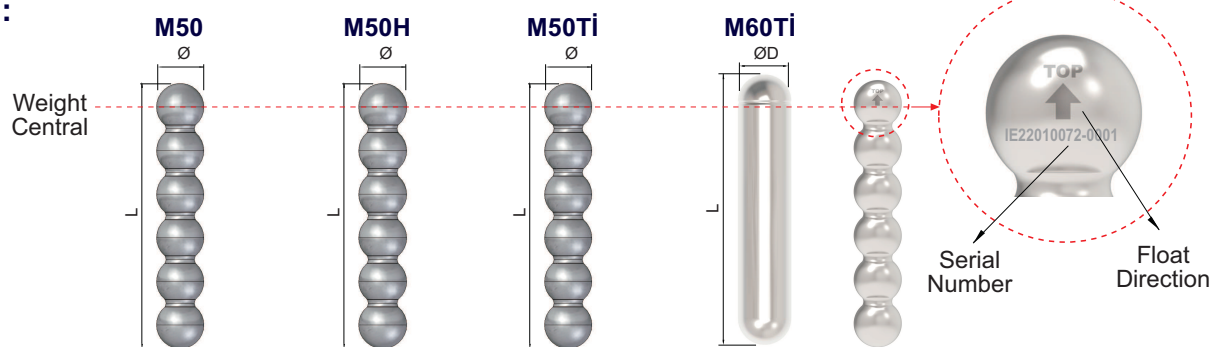


| Order Code | Model | Density    | Dim. (Ø*L) (mm) | Test Pressure | Working Pressure | Temperature | Number of Ball | Material         |
|------------|-------|------------|-----------------|---------------|------------------|-------------|----------------|------------------|
| 0680       | M10A  | 1.20 g/cm³ | Ø 32*150        | 25 bar        | 16 bar           | 200 °C      | 1              | AISI 316 St. St. |
| 0681       | M11A  | 1.00 g/cm³ | Ø 32*200        | 25 bar        | 16 bar           | 200 °C      | 1              | AISI 316 St. St. |
| 0682       | M12A  | 0.90 g/cm³ | Ø 32*250        | 25 bar        | 16 bar           | 200 °C      | 1              | AISI 316 St. St. |
| 0683       | M13A  | 0.80 g/cm³ | Ø 32*300        | 25 bar        | 16 bar           | 200 °C      | 1              | AISI 316 St. St. |

| Order Code | Model | Density    | Dim. (Ø*L) (mm) | Test Pressure | Working Pressure | Temperature | Number of Ball | Material         |
|------------|-------|------------|-----------------|---------------|------------------|-------------|----------------|------------------|
| 0670       | M0A   | 0.98 g/cm³ | Ø 112*148       | 25 bar        | 16 bar           | 200 °C      | 1              | AISI 316 St. St. |

All dimensions are given in mm.

## FLOAT :



| Order Code | Model       | Density                | Dim. (Ø*L)<br>(mm) | Test Pressure | Working Pressure | Temperature | Number of Ball | Material          |
|------------|-------------|------------------------|--------------------|---------------|------------------|-------------|----------------|-------------------|
| 0500       | M50         | 1.20 g/cm <sup>3</sup> | Ø 52*150           | 60 bar        | 40 bar           | 200 °C      | 3              | AISI 316 St.St.   |
| 0501       | M51         | 1.00 g/cm <sup>3</sup> | Ø 52*200           | 60 bar        | 40 bar           | 200 °C      | 4              | AISI 316 St.St.   |
| 0502       | M52         | 0.90 g/cm <sup>3</sup> | Ø 52*250           | 60 bar        | 40 bar           | 200 °C      | 5              | AISI 316 St.St.   |
| 0503       | M53         | 0.80 g/cm <sup>3</sup> | Ø 52*300           | 60 bar        | 40 bar           | 200 °C      | 6              | AISI 316 St.St.   |
| 0504       | M54         | 0.75 g/cm <sup>3</sup> | Ø 52*350           | 60 bar        | 40 bar           | 200 °C      | 7              | AISI 316 St.St.   |
| 0505       | M55         | 0.60 g/cm <sup>3</sup> | Ø 52*400           | 60 bar        | 40 bar           | 200 °C      | 8              | AISI 316 St.St.   |
| 0530       | M50H        | 1.35 g/cm <sup>3</sup> | Ø 52*150           | 100 bar       | 60 bar           | 200 °C      | 3              | AISI 316 St.St.   |
| 0531       | M51H        | 1.10 g/cm <sup>3</sup> | Ø 52*200           | 100 bar       | 60 bar           | 200 °C      | 4              | AISI 316 St.St.   |
| 0532       | M52H        | 1.00 g/cm <sup>3</sup> | Ø 52*250           | 100 bar       | 60 bar           | 200 °C      | 5              | AISI 316 St.St.   |
| 0533       | M53H        | 0.95 g/cm <sup>3</sup> | Ø 52*300           | 100 bar       | 60 bar           | 200 °C      | 6              | AISI 316 St.St.   |
| 0534       | M54H        | 0.90 g/cm <sup>3</sup> | Ø 52*350           | 100 bar       | 60 bar           | 200 °C      | 7              | AISI 316 St.St.   |
| 0535       | M55H        | 0.85 g/cm <sup>3</sup> | Ø 52*400           | 100 bar       | 60 bar           | 200 °C      | 8              | AISI 316 St.St.   |
| 0560       | M51H-100bar | 1.20 g/cm <sup>3</sup> | Ø 52*250           | 150 bar       | 100 bar          | 200 °C      | 5              | AISI 316 St.St.   |
| 0561       | M52H-100bar | 1.10 g/cm <sup>3</sup> | Ø 52*300           | 150 bar       | 100 bar          | 200 °C      | 6              | AISI 316 St.St.   |
| 0562       | M53H-100bar | 1.00 g/cm <sup>3</sup> | Ø 52*350           | 150 bar       | 100 bar          | 200 °C      | 7              | AISI 316 St.St.   |
| 0563       | M54H-100bar | 0.95 g/cm <sup>3</sup> | Ø 52*400           | 150 bar       | 100 bar          | 200 °C      | 8              | AISI 316 St.St.   |
| 0564       | M55H-100bar | 0.92 g/cm <sup>3</sup> | Ø 52*450           | 150 bar       | 100 bar          | 200 °C      | 9              | AISI 316 St.St.   |
| 0600       | M50Ti       | 1.10 g/cm <sup>3</sup> | 52*150             | 150 bar       | 100 bar          | 200 °C      | 3              | Titanium (Grade2) |
| 0601       | M51Ti       | 1.00 g/cm <sup>3</sup> | Ø 52*200           | 150 bar       | 100 bar          | 200 °C      | 4              | Titanium (Grade2) |
| 0602       | M52Ti       | 0.80 g/cm <sup>3</sup> | Ø 52*250           | 150 bar       | 100 bar          | 200 °C      | 5              | Titanium (Grade2) |
| 0603       | M53Ti       | 0.75 g/cm <sup>3</sup> | Ø 52*300           | 150 bar       | 100 bar          | 200 °C      | 6              | Titanium (Grade2) |
| 0604       | M54Ti       | 0.65 g/cm <sup>3</sup> | Ø 52*350           | 150 bar       | 100 bar          | 200 °C      | 7              | Titanium (Grade2) |
| 0605       | M55Ti       | 0.60 g/cm <sup>3</sup> | Ø 52*400           | 150 bar       | 100 bar          | 200 °C      | 8              | Titanium (Grade2) |
| 0606       | M56Ti       | 0.55 g/cm <sup>3</sup> | Ø 52*450           | 150 bar       | 100 bar          | 200 °C      | 9              | Titanium (Grade2) |
| 0650       | M60Ti       | 0.80 g/cm <sup>3</sup> | Ø 50*150           | 40 bar        | 25 bar           | 200 °C      | 1              | Titanium (Grade2) |
| 0651       | M61Ti       | 0.70 g/cm <sup>3</sup> | Ø 50*200           | 40 bar        | 25 bar           | 200 °C      | 1              | Titanium (Grade2) |
| 0652       | M62Ti       | 0.60 g/cm <sup>3</sup> | Ø 50*250           | 40 bar        | 25 bar           | 200 °C      | 1              | Titanium (Grade2) |
| 0653       | M63Ti       | 0.50 g/cm <sup>3</sup> | Ø 50*300           | 40 bar        | 25 bar           | 200 °C      | 1              | Titanium (Grade2) |

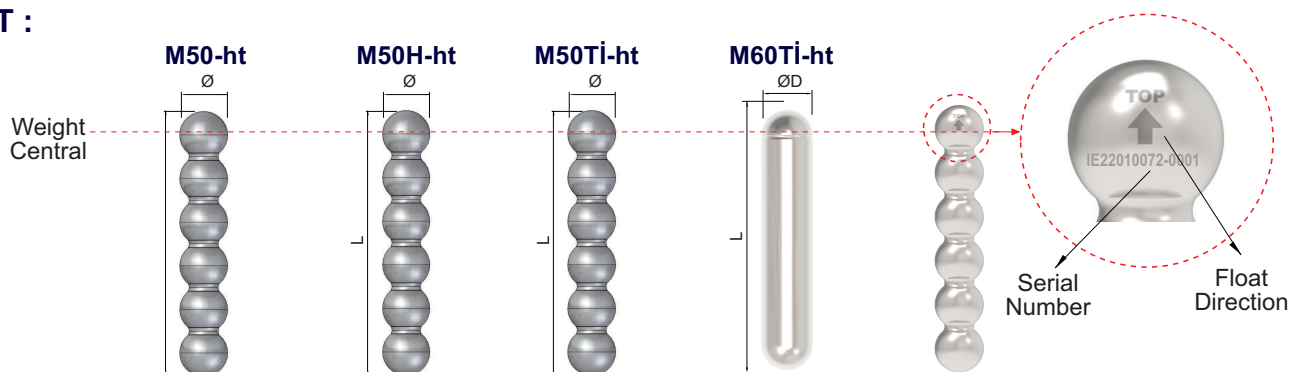
Note 1: Test safety coefficient of all floats is x1.5

For example ; Test pressure of M51H: 60 bar \* 1.5 = 100

Note 2 : According to process needs custom-made float can be manufactured by changing sheet thickness.

All dimensions are given in mm.

## FLOAT :



| Order Code | Model          | Density                | Dim. (Ø*L)<br>(mm) | Test Pressure | Working Pressure | Temperature | Number of Ball | Material          |
|------------|----------------|------------------------|--------------------|---------------|------------------|-------------|----------------|-------------------|
| 1000       | M50-ht         | 1.40 g/cm <sup>3</sup> | Ø 52*150           | 60 bar        | 40 bar           | 350 °C      | 3              | AISI 316 St.St.   |
| 1001       | M51-ht         | 1.15 g/cm <sup>3</sup> | Ø 52*200           | 60 bar        | 40 bar           | 350 °C      | 4              | AISI 316 St.St.   |
| 1002       | M52-ht         | 1.00 g/cm <sup>3</sup> | Ø 52*250           | 60 bar        | 40 bar           | 350 °C      | 5              | AISI 316 St.St.   |
| 1003       | M53-ht         | 0.90 g/cm <sup>3</sup> | Ø 52*300           | 60 bar        | 40 bar           | 350 °C      | 6              | AISI 316 St.St.   |
| 1004       | M54-ht         | 0.80 g/cm <sup>3</sup> | Ø 52*350           | 60 bar        | 40 bar           | 350 °C      | 7              | AISI 316 St.St.   |
| 1005       | M55-ht         | 0.70 g/cm <sup>3</sup> | Ø 52*400           | 60 bar        | 40 bar           | 350 °C      | 8              | AISI 316 St.St.   |
| 1006       | M50H-ht        | 1.35 g/cm <sup>3</sup> | Ø 52*150           | 100 bar       | 60 bar           | 350 °C      | 3              | AISI 316 St.St.   |
| 1007       | M51H-ht        | 1.10 g/cm <sup>3</sup> | Ø 52*200           | 100 bar       | 60 bar           | 350 °C      | 4              | AISI 316 St.St.   |
| 1008       | M52H-ht        | 1.00 g/cm <sup>3</sup> | Ø 52*250           | 100 bar       | 60 bar           | 350 °C      | 5              | AISI 316 St.St.   |
| 1009       | M53H-ht        | 0.95 g/cm <sup>3</sup> | Ø 52*300           | 100 bar       | 60 bar           | 350 °C      | 6              | AISI 316 St.St.   |
| 1010       | M54H-ht        | 0.90 g/cm <sup>3</sup> | Ø 52*350           | 100 bar       | 60 bar           | 350 °C      | 7              | AISI 316 St.St.   |
| 1011       | M55H-ht        | 0.85 g/cm <sup>3</sup> | Ø 52*400           | 100 bar       | 60 bar           | 350 °C      | 8              | AISI 316 St.St.   |
| 1012       | M51H-100bar-ht | 1.20 g/cm <sup>3</sup> | Ø 52*250           | 150 bar       | 100 bar          | 350 °C      | 5              | AISI 316 St.St.   |
| 1013       | M52H-100bar-ht | 1.10 g/cm <sup>3</sup> | Ø 52*300           | 150 bar       | 100 bar          | 350 °C      | 6              | AISI 316 St.St.   |
| 1014       | M53H-100bar-ht | 1.00 g/cm <sup>3</sup> | Ø 52*350           | 150 bar       | 100 bar          | 350 °C      | 7              | AISI 316 St.St.   |
| 1015       | M54H-100bar-ht | 0.95 g/cm <sup>3</sup> | Ø 52*400           | 150 bar       | 100 bar          | 350 °C      | 8              | AISI 316 St.St.   |
| 1016       | M55H-100bar-ht | 0.92 g/cm <sup>3</sup> | Ø 52*450           | 150 bar       | 100 bar          | 350 °C      | 9              | AISI 316 St.St.   |
| 1017       | M50Ti-ht       | 1.15 g/cm <sup>3</sup> | Ø 52*150           | 150 bar       | 100 bar          | 350 °C      | 3              | Titanium (Grade2) |
| 1018       | M51Ti-ht       | 1.10 g/cm <sup>3</sup> | Ø 52*200           | 150 bar       | 100 bar          | 350 °C      | 4              | Titanium (Grade2) |
| 1019       | M52Ti-ht       | 0.85 g/cm <sup>3</sup> | Ø 52*250           | 150 bar       | 100 bar          | 350 °C      | 5              | Titanium (Grade2) |
| 1020       | M53Ti-ht       | 0.80 g/cm <sup>3</sup> | Ø 52*300           | 150 bar       | 100 bar          | 350 °C      | 6              | Titanium (Grade2) |
| 1021       | M54Ti-ht       | 0.70 g/cm <sup>3</sup> | Ø 52*350           | 150 bar       | 100 bar          | 350 °C      | 7              | Titanium (Grade2) |
| 1022       | M55Ti-ht       | 0.65 g/cm <sup>3</sup> | Ø 52*400           | 150 bar       | 100 bar          | 350 °C      | 8              | Titanium (Grade2) |
| 1023       | M56Ti-ht       | 0.60 g/cm <sup>3</sup> | Ø 52*450           | 150 bar       | 100 bar          | 350 °C      | 9              | Titanium (Grade2) |
| 1024       | M60Ti-ht       | 0.85 g/cm <sup>3</sup> | Ø 50*150           | 40 bar        | 25 bar           | 350 °C      | 1              | Titanium (Grade2) |
| 1025       | M61Ti-ht       | 0.75 g/cm <sup>3</sup> | Ø 50*200           | 40 bar        | 25 bar           | 350 °C      | 1              | Titanium (Grade2) |
| 1026       | M62Ti-ht       | 0.65 g/cm <sup>3</sup> | Ø 50*250           | 40 bar        | 25 bar           | 350 °C      | 1              | Titanium (Grade2) |
| 1027       | M63Ti-ht       | 0.55 g/cm <sup>3</sup> | Ø 50*300           | 40 bar        | 25 bar           | 350 °C      | 1              | Titanium (Grade2) |

Note 1: Test safety coefficient of all floats is x1.5

For example ; Test pressure of M51H: 60 bar \* 1.5 = 100

Note 2 : According to process needs custom-made float can be manufactured by changing sheet thickness.

All dimensions are given in mm.

## 1 BODY TYPE

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| Single Body (Std.).....1 | Double Body (Transmitter must also be selected)....2 |
|                          | Special.....x                                        |

## 2 CERTIFICATE

|            |                                            |
|------------|--------------------------------------------|
| None.....0 | (EN10204-3-1) Material Certification.....1 |
|            | (EN10204-2-2) Test Certification.....2     |

## 3 MODEL

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Standard version DX-ELG .....1        | 100 bar Pressure Version DX-ELGy.....5       |
| Mini version DX-ELGs .....2           | Top Mounting Version DX-ELGu.....6           |
| 40 bar Pressure Version DX-ELGk.....4 | 25 bar Pressure Jacket Version DX-ELGh.....7 |

## 4 MATERIALS (WETTED AREAS)

|                                     |                              |
|-------------------------------------|------------------------------|
| 304 Stainless Steel (Std.) .....001 | 316 Stainless Steel .....002 |
|                                     | Special.....x                |

## 5 SEAL MATERIAL

|                    |                         |
|--------------------|-------------------------|
| PTFE.....066       | Silicon.....083         |
| Rubber NBR.....081 | Graphite.....086        |
| Viton.....082      | Klingrid (Std.).....087 |
|                    | Special.....x           |

## 6 DISPLAY

|                                                      |                                         |
|------------------------------------------------------|-----------------------------------------|
| Plastic Flap Version (180 °C) (Std.) .....G          | Glass With Float Version (180 °C).....F |
| High Temperature Ceramic Flap Version (350 °C).....H | Special.....x                           |

## 7 SITUATION OF DISPLAY

|                                            |                                    |
|--------------------------------------------|------------------------------------|
| Left Side Assembly Version.....P1          | Right Side Assembly Version.....P3 |
| Middle Side Assembly Version (std.).....P2 | Special.....x                      |

## 8 FLOAT

Appropriate Float Model Should Be Stated.....?

## 9 AXIS DISTANCE (mm) CC

Identification Dimension Between Axes (mm) CC.....?

## 10a PROCESS CONNECTION / TYPE

|                             |                                  |
|-----------------------------|----------------------------------|
| Flanged Connection .....Y2/ | SMS Type Connection.....Y4/      |
| Threaded Connection.....Y3/ | Female Thread Connection.....Y5/ |
|                             | Thread Connection.....Y6/        |
|                             | Special.....x                    |

## 10b PROCESS CONNECTION SIZE

|                                                       |               |
|-------------------------------------------------------|---------------|
| Proper order code should be selected from table.....? | Special.....x |
|-------------------------------------------------------|---------------|

## 11 BOTTOM BODY CONNECTION TYPE

|                        |                              |
|------------------------|------------------------------|
| Flanged (Std.) .....A1 | With Vertical Flanged.....A3 |
| Neck Flanged .....A2   | With Top Flanged.....A4      |
|                        | Special.....x                |

## 12 TOP BODY CONNECTION / TYPE

|                              |                                         |
|------------------------------|-----------------------------------------|
| Round Version.....U1/        | Flanged.....U4                          |
| Straight Type.....U2/        | With Vertical Flanged.....U5            |
| Flange from the body.....U3/ | Two Piece With Flange Connection.....U6 |
|                              | Special.....x                           |

## 13 OPTIONAL

|                |                             |
|----------------|-----------------------------|
| None...../ 0   | Double Body Desing...../ DP |
| Scale...../ SK | Special.....x               |

### Example

**DX-ELG 101 - 001 - 087 - G - P1 - 0501 - 500 - Y2 / 0501 - A1 - U2 - /0**