



## Fuel Level Sensors - Mechanical Gauge

Part No.	Tank Depth	Figure	Price ZAR
MG-150	150mm	1	R 250
MG-200	200mm	1	R 260
MG-250	250mm	1	R 265
MG-300	300mm	1	R 275
MG-350	350mm	1	R 280
MG-500	500mm	1	R 300
MG-650	650mm	1	R 320
MG-750	750mm	1	R 340
MG-800	800mm	1	R 435
MG-900	900mm	1	R 455
M45-BoltOn	M45 x 2 Flange, with 6 mounting holes	1	R 85
M45-WeldOn	M45 x 2 Flange, weldable mild steel material	2	R 85

### Specifications & Features

IP67 protection rating.

Integrated precision: 5%.

150 to 900mm length range.

-40 to 85°C operation temperature.

The main body material is made of aluminium alloy.

Direct mechanical level display without the need of external power supply.

M45 x 2mm thread fitting is standard or 1½" BSP on special request.

Options are the 6-hole bolt on flange or the welded flange. See figure 1 and 2.

Suitable for static level detection of water, petrol, diesel, oil, & kerosene.

Specifically designed for fuel tanks of generators and any engine driven application.

If quantities justify, optional high-low alarm contact and/or 10-180Ω analogue output available.

**NB! The tank top needs either a welded or bolt on M45 flange.**

**The gauge is a M45 male thread and that screws into the flange.**

**GAUGE & FLANGE MUST BE ORDERED AS A PAIR TO MAKE ONE SET!**

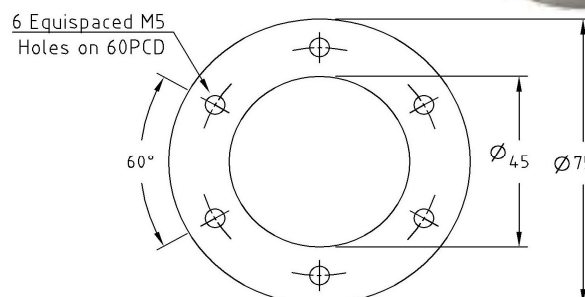
Fig. 1



Welded Flange

Fig. 2

Standard  
6 Hole Flange





## Fuel Level Sensors - Mechanical Gauge with resistive analogue signal (10-180 Ohm) combination

Part No.	Tank Depth and Resistance Range	Figure	Price ZAR
MGS-200	≥200mm - 10 to 180Ω	1	R 420
MGS-250	≥250mm - 10 to 180Ω	1	R 425
MGS-300	≥300mm - 10 to 180Ω	1	R 435
MGS-350	≥350mm - 10 to 180Ω	1	R 440
MGS-500	≥500mm - 10 to 180Ω	1	R 460
MGS-650	≥650mm - 10 to 180Ω	1	R 480

M45-BoltOn	M45 x 2 Flange, with 6 mounting holes	1	R 85
M45-WeldOn	M45 x 2 Flange, weldable mild steel material	2	R 85

### Specifications & Features

IP67 protection rating.

200 to 650mm length range.

-40 to 85°C operation temperature.

The main body material is made of aluminium alloy.

Integrated precision: 5% (Mechanical). 10mm Resolution (Analogue).

Direct mechanical level display without the need of external power supply.

10-180Ω analogue sensor wires which requires a 0V common power supply.

M45 x 2mm thread fitting is standard or 1½" BSP on special request.

Options are the 6-hole bolt on flange or the welded flange. See figure 1 and 2.

Suitable for static level detection of water, petrol, diesel, oil, & kerosene.

Specifically designed for fuel tanks of generators and any engine driven application.

**NB! The tank top needs either a welded or bolt on M45 flange.**

**The gauge is a M45 male thread and that screws into the flange.**

**GAUGE & FLANGE MUST BE ORDERED AS A PAIR TO MAKE ONE SET!**

Fig. 1



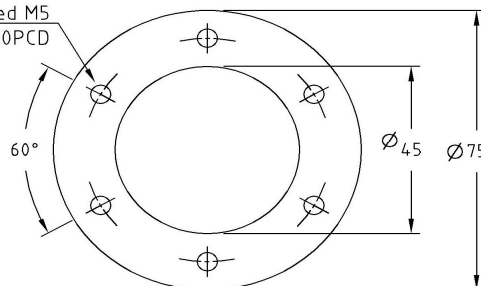
Welded Flange

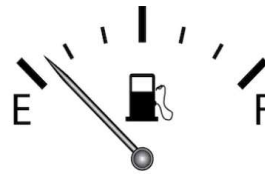
Fig. 2

Standard  
6 Hole Flange



6 Equispaced M5  
Holes on 60PCD





## Fuel Level Sensors - Tubular (Reed) & Pivot Type Resistive Analogue - 10mm Resolution/Accuracy

Part No.	Tank Depth and Resistance Range	Type	Fig.	Price ZAR
S5-E150	≥150mm - 0 to 190Ω	Tubular	3	R 460
S5-E200	≥200mm - 0 to 190Ω	Tubular	3	R 465
S5-E250	≥250mm - 0 to 190Ω	Tubular	3	R 470
S5-E300	≥300mm - 0 to 190Ω	Tubular	3	R 495
S5-E350	≥350mm - 0 to 190Ω	Tubular	3	R 540
S5-E500	≥500mm - 0 to 190Ω	Tubular	3	R 715
S5-E650	≥650mm - 0 to 190Ω	Tubular	3	R 825
S5-E750	≥750mm - 0 to 190Ω	Tubular	3	R 925
S5-E800	≥800mm - 0 to 190Ω	Tubular	3	R 935
S5-E1000	≥1000mm - 0 to 190Ω	Tubular	3	R 1 210
S5-E1200	≥1200mm - 0 to 190Ω	Tubular	3	R 1 385
S5-E1500	≥1500mm - 0 to 190Ω	Tubular	3	R 1 990
S5-E1800	≥1800mm - 0 to 190Ω	Tubular	3	R 2 550
S5-E2000	≥2000mm - 0 to 190Ω	Tubular	3	R 2 770
C730-558-01	127 to 685mm Depth. 10(E) to 180(F)Ω	Pivot	4	R 369

### Specifications & Features

\*\*\* Not applicable to item C730-558-01

\*\*\*150 to 2000mm length range. Length can be customised according to your requirements.

\*\*\*Main body material is made of 304 stainless steel.

Standard SAE 5 hole mounting. See diagram on page 3.

0-190Ω analogue sensor wires. See diagram below.

5 x M5 screws & a 2 mm thick nitrile rubber gasket is included.

Suitable for static level detection of petrol, diesel, oil, & kerosene.

-40 to 85°C operating temperature

IP67 protection rating.

10mm Resolution.

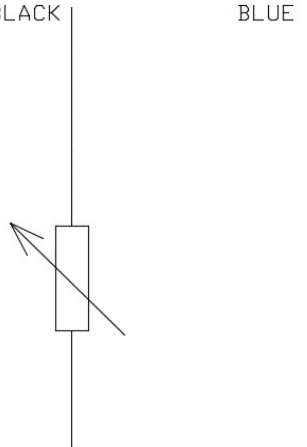
ANALOGUE SIGNAL

0 Ohms = EMPTY

190 Ohms = FULL

COMMON BLUE

BLACK

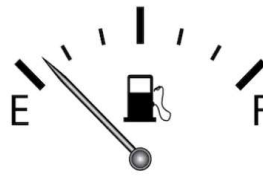


**Fig. 3**



**Fig. 4**





## Fuel Level Sensors - Tubular (Reed) - Resistive Analogue - 10mm Resolution/Accuracy with Digital Low Level Alarm Switch

Part No.	Tank Depth and Resistance Range	Switch Point	Fig.	Price ZAR
S5-E150A	≥150mm - 0 to 190Ω	50mm	3	R 495
S5-E200A	≥200mm - 0 to 190Ω	50mm	3	R 540
S5-E250A	≥250mm - 0 to 190Ω	50mm	3	R 520
S5-E300A	≥300mm - 0 to 190Ω	50mm	3	R 560
S5-E350A	≥350mm - 0 to 190Ω	55mm	3	R 590
S5-E500A	≥500mm - 0 to 190Ω	75mm	3	R 800
S5-E600A	≥600mm - 0 to 190Ω	100mm	3	R 900
S5-E650A	≥650mm - 0 to 190Ω	100mm	3	R 945
S5-E750A	≥750mm - 0 to 190Ω	115mm	3	R 970
S5-E800A	≥800mm - 0 to 190Ω	120mm	3	R 1 040
S5-E1000A	≥1000mm - 0 to 190Ω	150mm	3	R 1 310
S5-E1200A	≥1200mm - 0 to 190Ω	180mm	3	R 1 440
S5-E1500A	≥1500mm - 0 to 190Ω	225mm	3	R 2 055
S5-E1800A	≥1800mm - 0 to 190Ω	270mm	3	R 2 660
S5-E2000A	≥2000mm - 0 to 190Ω	300mm	3	R 2 870

### Specifications & Features

150 to 2000 mm length range. Length can be customised according to your requirements.

Low level alarm contact and 0-190Ω analogue sensor wires. See diagram below.

Standard SAE 5 hole mounting. See diagram below.

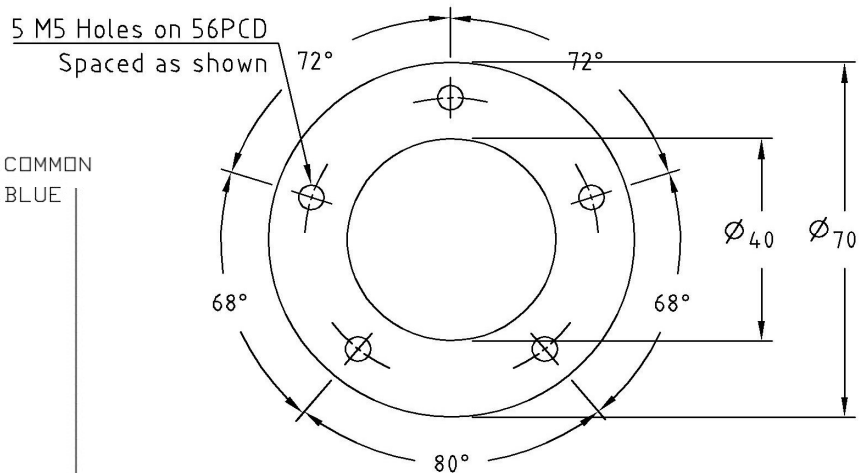
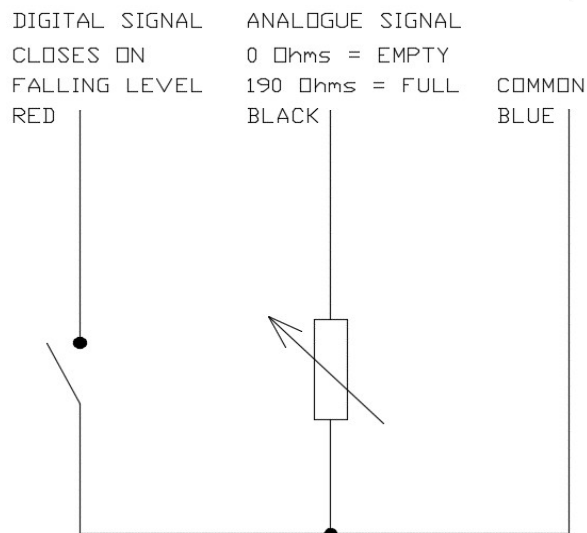
5 x M5 screws & a 2 mm thick nitrile rubber gasket is included.

Suitable for static level detection of petrol, diesel, oil, & kerosene.

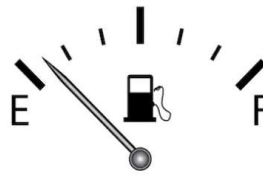
Main body material is made of 304 stainless steel. IP67 protection rating.

-40 to 85°C operating temperature.

10mm Resolution.



**SAE 5 Hole Flange**



## Fuel Level Sensors - Tubular (Reed) Resistive Analogue - 5.5mm Resolution/Accuracy

Part No.	Tank Depth and Resistance Range	Type	Fig.	Price ZAR
MS5-E150	≥150mm - 0 to 190Ω	Tubular	5	R 750
MS5-E200	≥200mm - 0 to 190Ω	Tubular	5	R 770
MS5-E250	≥250mm - 0 to 190Ω	Tubular	5	R 845
MS5-E300	≥300mm - 0 to 190Ω	Tubular	5	R 1 252*
MS5-E350	≥350mm - 0 to 190Ω	Tubular	5	R 1 431*
MS5-E500	≥500mm - 0 to 190Ω	Tubular	5	R 1 837*
MS5-E650	≥650mm - 0 to 190Ω	Tubular	5	R 2 277*
MS5-E750	≥750mm - 0 to 190Ω	Tubular	5	R 2 519*
MS5-E800	≥800mm - 0 to 190Ω	Tubular	5	R 2 603*
MS5-E1000	≥1000mm - 0 to 190Ω	Tubular	5	R 3 141*
MS5-E1200	≥1200mm - 0 to 190Ω	Tubular	5	R 3 866*
MS5-E1500	≥1500mm - 0 to 190Ω	Tubular	5	R 4 645*
MS5-E1800	≥1800mm - 0 to 190Ω	Tubular	5	R 5 358*
MS5-E2000	≥2000mm - 0 to 190Ω	Tubular	5	R 6 069*

\*These are sample prices, preferable pricing will be given for quantity orders of >10 per part number.

\*Please inquire within.

### Specifications & Features

150 to 2000mm length range. Length can be customised according to your requirements.

Standard SAE 5 hole mounting. See diagram below.

0-190Ω analogue sensor wires. See diagram below.

Suitable for static level detection of petrol, diesel, oil, & kerosene.

5 x M5 screws & a 2 mm thick nitrile rubber gasket is included.

Main body material is made of 304 stainless steel.

-40 to 85°C operating temperature. IP67 protection rating.

5.5mm Resolution.

ANALOGUE SIGNAL

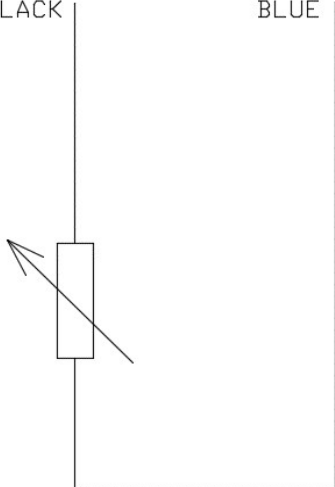
0 Ωhms = EMPTY

190 Ωhms = FULL

BLACK

COMMON

BLUE



### SAE 5 Hole Flange

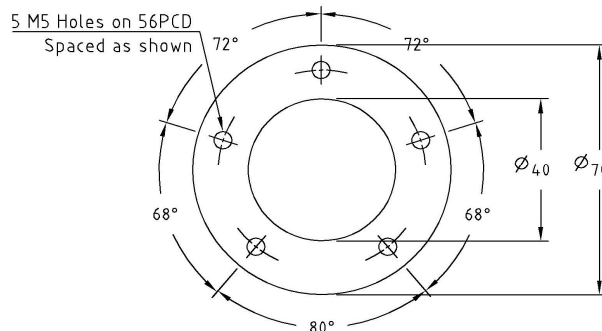
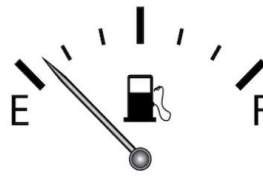


Fig. 5







## Multi Purpose Fuel Level Sensors - Tubular (Reed) Analogue Type with Digital Low Level Alarm Contact Point.

Part No.	Supply $\varnothing$	Return $\varnothing$	Tank Depth & $\Omega$ Range	Switch Point	Fig.	Price ZAR
L3-A-TN-150	10mm	10mm	$\geq 150\text{mm}$ - 0 to 190 $\Omega$	50mm	6	R 717*
L3-A-TN-200	10mm	10mm	$\geq 200\text{mm}$ - 0 to 190 $\Omega$	50mm	6	R 620
L3-A-TN-250	10mm	10mm	$\geq 250\text{mm}$ - 0 to 190 $\Omega$	50mm	6	R 690
L3-A-TN-300	10mm	10mm	$\geq 300\text{mm}$ - 0 to 190 $\Omega$	50mm	6	R 750
L3-A-TN-350	10mm	10mm	$\geq 350\text{mm}$ - 0 to 190 $\Omega$	55mm	6	R 1 149*
L3-A-TN-400	10mm	10mm	$\geq 400\text{mm}$ - 0 to 190 $\Omega$	75mm	6	R 1 273*
L3-A-TN-500	10mm	10mm	$\geq 500\text{mm}$ - 0 to 190 $\Omega$	100mm	6	R 1 408*
L3-A-TN-600	10mm	10mm	$\geq 600\text{mm}$ - 0 to 190 $\Omega$	100mm	6	R 1 645*
L3-A-TN-700	10mm	10mm	$\geq 700\text{mm}$ - 0 to 190 $\Omega$	115mm	6	R 1 834*
L3-A-TN-800	10mm	10mm	$\geq 800\text{mm}$ - 0 to 190 $\Omega$	120mm	6	R 2 142*

\*These are sample prices, preferable pricing will be given for quantity orders of >10 per part number.

\*Please inquire within.

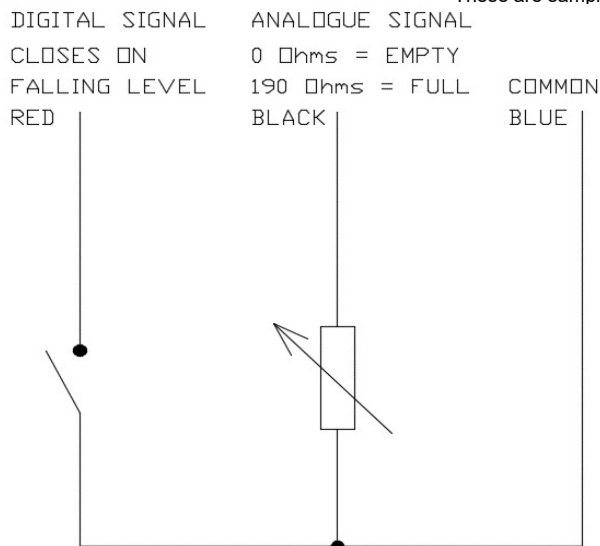


Fig. 6

### Specifications & Features

10mm Resolution.

IP67 protection rating.

-40 to 85°C operating temperature.

Vent or Breather tube is 6mm  $\varnothing$

Nylon strainer fitted to beginning of supply line.

Standard SAE 5 hole mounting. See diagram on page 3.

5 x M5 screws & a 2 mm thick nitrile rubber gasket is included.

Low level alarm contact and 0-190 $\Omega$  analogue sensor wires. See diagram above.

Main body material is made of 304 stainless steel.

Suitable for static level detection of petrol, diesel, oil, & kerosene.

Fuel supply, return, air breather and wires incorporated in mounted flange.

One hole in tank top. Cuts down on tank manufacture time.

Easy connection with slide-on rubber fuel lines (not supplied).

150 to 800 mm length range. Other lengths can be ordered if quantities justify.



## Multi Purpose Fuel Level Sensors - Tubular (Capacitance) Resistive Analogue Type with High Resolution Sensing.

Part No.	Tank Depth & Resistance Range	Fig.	Price ZAR
CLS2-200	≥200mm - 240 to 33Ω	8	R 1 680
CLS2-300	≥300mm - 240 to 33Ω	8	R 1 695
CLS2-400	≥400mm - 240 to 33Ω	8	R 1 710
CLS2-500	≥500mm - 240 to 33Ω	8	R 1 720
CLS2-600	≥600mm - 240 to 33Ω	8	R 1 735
CLS2-700	≥700mm - 240 to 33Ω	8	R 1 745
CLS2-800	≥800mm - 240 to 33Ω	8	R 1 780
CLS2-900	≥900mm - 240 to 33Ω	8	R 1 785
CLS2-1000	≥1000mm - 240 to 33Ω	8	R 1 810
CLS2-1100	≥1100mm - 240 to 33Ω	8	R 1 825
CLS2-1200	≥1200mm - 240 to 33Ω	8	R 1 835
JS23110	Calibrator for the CLS2 range of probes	7	R 560



Fig. 7

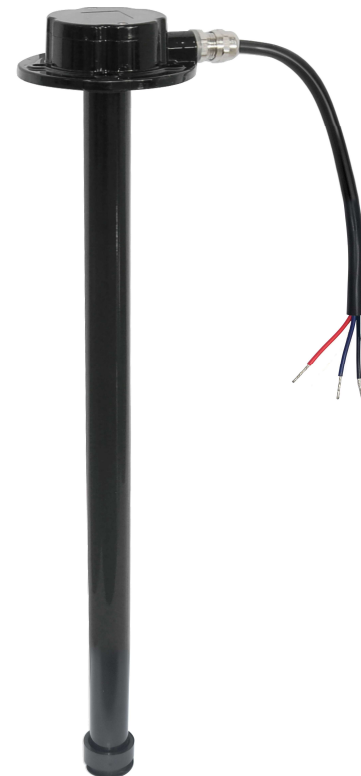


Fig. 8

### Specifications & Features

Working voltage: 10-32VDC.

Ideal for non standard tank depths.

Main body material is made of Aluminium.

Resolution: ≤1mm. Accuracy: 2% (Extremely accurate).

-40 to 85°C operating temperature. IP65 protection rating.

Standard SAE 5 hole mounting. See diagram on Page 3.

5 x M5 screws & a 2 mm thick nitrile rubber gasket is included.

240-33Ω (Empty-Full) analogue sensor wires. See diagram on page 4.

This range of level sensors can be shortened by cutting the bottom end.

More expensive option than the level sensors on page 2 & 4 due to the better accuracy.

Instructions on how to shorten and recalibrate the sensor are included with all units.

If shortening is required, recalibration is necessary by using the calibration unit JS23110.

Standard length are shown in table above and range from 200 to 1200mm in length.



## Fuel Filler Cap, Neck & Strainer

Part No.	Breather	Lockable	Description	Fig.	Price ZAR
JZM6640	No	Yes	Fuel Filler Cap	9	R 365
JZM6030	Yes	Yes	Fuel Filler Cap	9	R 375
JZM0932	<del>N/A</del>	<del>N/A</del>	Mounting neck (Mild steel-weldable)	9	R 35
JZP1095	<del>N/A</del>	<del>N/A</del>	Strainer with Nylon Filter	10	R 61



Fig. 9



Fig. 10

### Specifications & Features

Lockable caps come with a set of two keys.

Neck is made from mild steel and is weldable.

Key hole flap on cap to minimise ingress of water and dirt.

Large opening suitable for a standard fuel dispensing nozzle.

Small steel chain tethers the cap thereby preventing it from getting lost.

Tank top to have a  $\varnothing 68 (\pm 1\text{mm})$  hole to accept the strainer.

Neck to be welded centrally over the strainer hole.

**Cap, strainer & neck must be ordered as a triplet to make one set!**

### PLEASE NOTE:

- 1) All prices exclude VAT and are ex stores Germiston, Gauteng.
- 2) Items sold are subjected to our standard trading conditions which are available on request.
- 3) All prices that appear on the price list are subject to change without notice.  
When placing your order, please confirm price and availability.
- 4) Check with sales that the current price list issue, appearing top left, is being used.
- 5) Hagar Distribution reserves the right to increase or decrease the price of goods, based on fluctuation of exchange rate and other factors.
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