Guliwer electronics

Fuel sensor

GW 7-1001

Description

Material – antimagnetic stainless steel

The basic construction component consists of a flange and square tube welded together. The measuring system is placed inside the tube. The float with a magnet moves along this tube and operates the magnetic switches. As a result, the output value of the selected electrical quantity depends on the fuel level height.

The Fuel Sensor can be equipped with a reserve switch.

The measurement system can be connected as a rheostat or as a voltage divider.

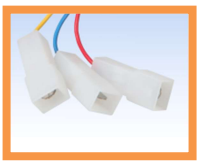
The Fuel Sensor is intended for mounting to tanks with a 40mm hole.

The use of a fuel gauge must be specified in the order.







Parametry:

Max. voltage	32	V
Max. current	50	mA
Operating temperature	-40°C thru +85°C	°C
Storage temperature	-40°C thru +85°C	°C
Label	producer, producer code, date (or date code)	
Vibration resistance	3	g
Service life	1 000 000	cycles
Protection degree	IP 68 (inner part)	IP 67 (external part)

Overview of manufactured types – Rheostat

Type	height [H]	reserve	L1	L0	Number of measuring steps	R max	R min	Connector	Flange
	measured from flange [mm]					[ohm]			
						state 0	state 1		
GW 7-1001	700	652	18	678	26	330	0-7	Faston 2,8x0,8	4x70°; 1x80° Ø56 – M5
GW 7-1002	666	474	30	636	26	740-800	182-193	DIN 72585 – 7 pólový	4x70°; 1x80° Ø56 – M5
GW 7-1003	750	-	30	30	28	0-5	84-95	Faston 6,3x0,8 Krytka 94090-4050	2x70°; 1x69°; 1x80°; 1x71° Ø56 – M5
GW 7-1004	605	-	30	575	24	768-832	192-208	DIN 72585 – 4 pólový	4x70°; 1x80° Ø56 – M8
GW 7-1006	350	325	25	325	20	0	89	94030-3891 Molex Zetronic	4x70°; 1x80° Ø56 – M5
GW 7-1008	535	430	30	500	27	740-800	182-193	Super Seal 282 105-1	2x70°; 1x69°; 1x80°; 1x71° Ø56 – M5
GW 7-1009	405	334	22	368	26	740-800	182-193	DIN 72585 – 4 pólový	4x70°; 1x80° Ø56 – M5
GW 7-1021	298	-	20	278	16	110	3	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1022	308	-	20	288	16	110	3	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5

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Type	height [H]	reserve	L1	L0	Number of measuring steps	R max	R min	Connector	Flange
	measured from flange [mm]					[ohm]			
						state 0	state 1		
GW 7-1024	473	415	44	452	16	761	193	Super Seal 282 105-1	SAE J1810 M5
GW 7-1025	631	570	20	610	24	740-800	182-193	DIN 72585 – 4 pins	4x70°; 1x80° Ø56 – M5
GW 7-1027	860	-	12	848	99	775	175	DIN 72585 – 7 pins	4x70°; 1x80° Ø56 – M5
GW 7-1029	308	250	21	288	16	110	3	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1030	308	250	21	288	16	8	186	Super Seal 282 105-1	SAE J1810 M5
GW 7-1031	225	-	20	202	12	110	3	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1033	780	-	22	750	28	250	30	Deutsch DT04-2P	SAE J1810 M6
GW 7-1034	405	340	25	380	27	740-800	182-193	DIN 72585 – 4 pins	4x70°; 1x80° Ø56 – M5
GW 7-1040	308	-	20	290	16	110	3	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1041	308	252	18 6	284	16	8	186	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1042	398	334	60	140	16	140	14	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1044	460	410	45	440	16	8	90	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1045	590	540	45	570	21	8	90	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1049	370	300	45	350	16	8	90	Super Seal 282 105-1	4x70°; 1x80° Ø56 – M5
GW 7-1202	165	143 separated	22	135	10	10	180	Delphi Weather pack 12020830	SAE J1810 M5
GW 7-1203	335	310 separated	38	289	11	10	182	Delphi Weather pack 12020830	SAE J1810 M5
GW 7-1207	352	327 separated	35	300	12	10	180	Delphi Weather pack 12020830	SAE J1810 M5
GW 7-1208	545	519 separated	22	500	20	10	180	Delphi Weather pack 12020830	SAE J1810 M5
GW 7-1210	720	682 separated	82	682	26	10	180	Delphi Weather pack 12020830	SAE J1810 M5

Overview of manufactured types – Voltage divider

Type	height [H]	reserve	L1	L0	Number of measuring steps	U max	U min	Connector	Flange
	measured from flange [mm]					at supply voltage 5 [V]			
						state 0	state 1		
GW 7-1204	742	-	18	717	27	0,5	4,5	Deutsch DT04-3P	SAE J1810

Other types can be prepared according to customer requirements within the limit parameters stated below:

Limit parameters for specifying new types by the customer

Max. length H	1500	mm
Measuring circuit resistance	50 – 100 000	ohm
Minimum measurement step	10	mm
Max. measured height L1	18	mm
Min. measured height L0	H - 22	mm

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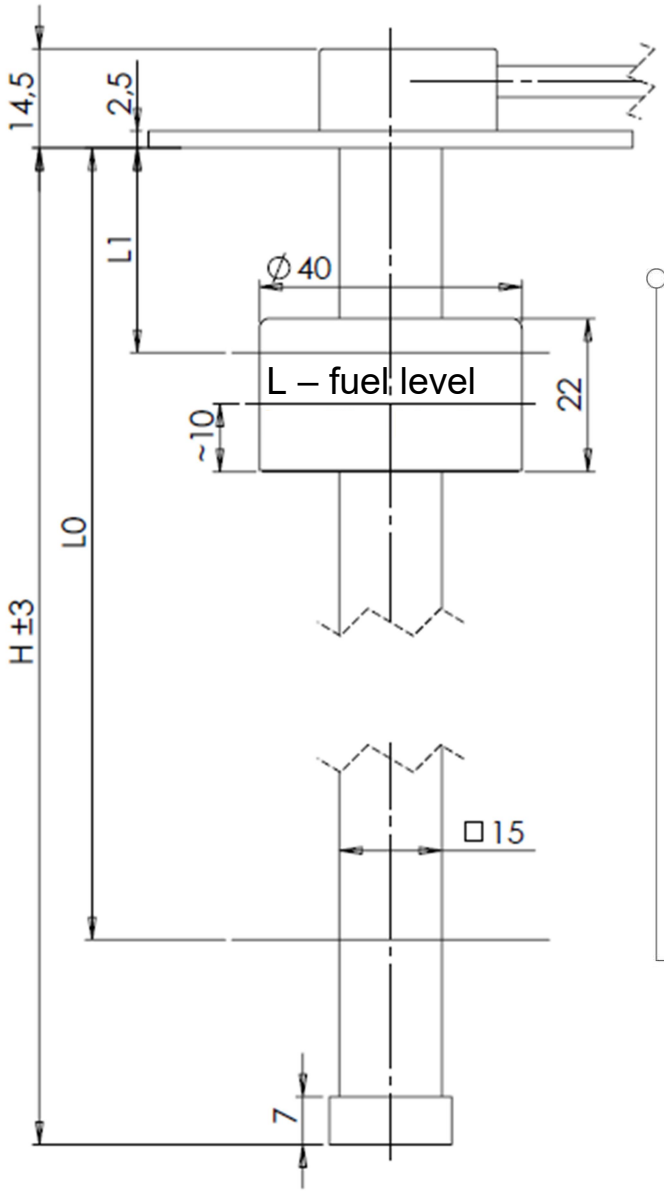
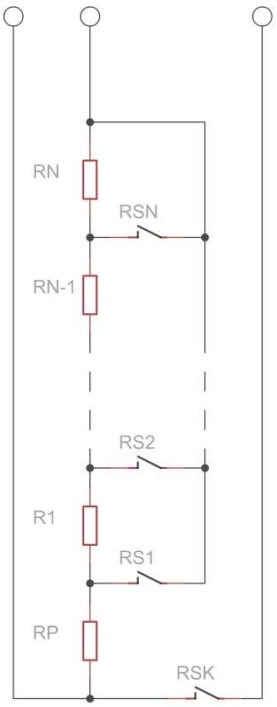
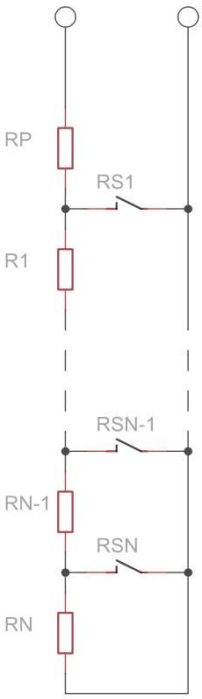


Circuit diagrams

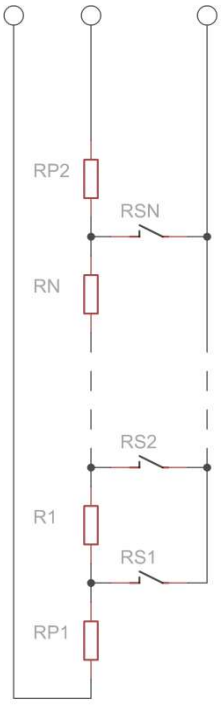
Rheostat with reserve

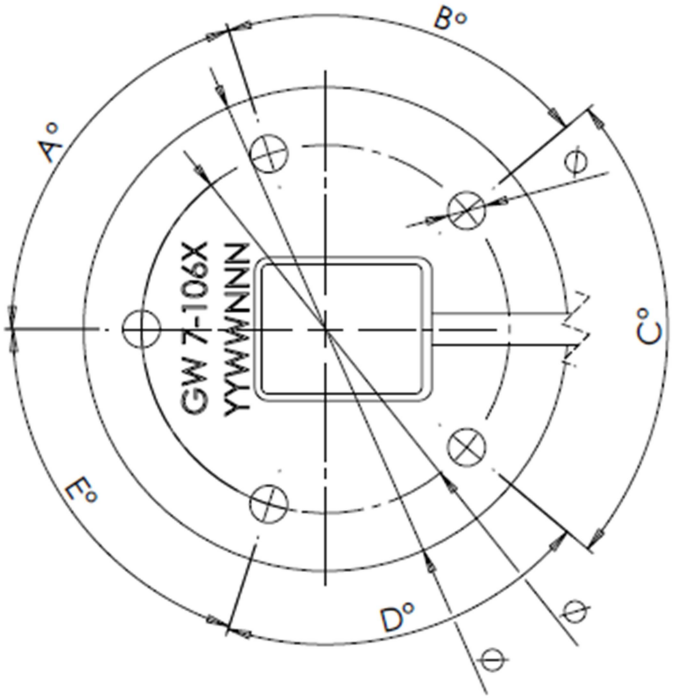


Rheostat



Voltage divider





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