

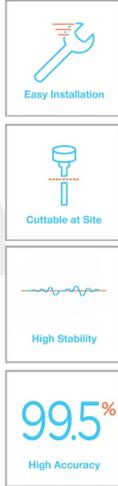
Fuel Level Sensor Resistive Output for Genset



Smart Agriculture, Smart Building, Smart Energy, Smart Facility, Smart Factory, Smart Farm

SKU: CAP10G

SMART FUEL LEVEL SENSOR PulseCAP10 Resistive Output



CAP10G-H1.PNG

Safe Zone

Hazardous Zones

CAP10G is the industrial version of PulseCAP10, designed specifically for generator fuel monitoring applications. The CAP10 has 240~33Ω resistor output allowing direct connection to a generator controller. It is compatible with most popular generator controllers on the market such as DEEPSEA, EMKO, DATAKOM, COM AP, MGS, SMART GEN, WOODWARD, POWERCOMMAND... CAP10G with high precision up to 0.5%. Measuring range from 100~1500mm. The sensor has CE EMC certification according to EN61236-1 standard.

Applications

Energy Monitoring, Fuel Monitoring

Notes For Applications

- Direct connection with Generator**
Compatible with most popular generator controllers on the market such as DEEPSEA, EMKO, DATAKOM, COM AP, MGS, SMART GEN, WOODWARD, POWERCOMMAND ...
- 99.5% Accuracy**
Patented digital capacitance measuring technique PulseCAP10 of Daviteq allow high accuracy
- High stability**
Patented digital capacitance measuring technique PulseCAP10 of Daviteq combined with intelligent sensor structure design for high stability signal
- No need Calibration after cutting**
Smart Firmware allow automatically recognize its new length after cutting. No need complicated calibration steps!!!

PulseCAP10 on STATIONARY TANK connect with GENSET



CAP10G-H2.PNG

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Specification

Sensor length	Standard 700mm, optional 1200 or 1500mm. Cuttable down to 200mm. Longer than 1500mm, suggest to use Industrial type sensor CAP10CN
Output	240~33Ω
Power supply	8~50VDC
Consumption	max 20mA
Working pressure	-1~2 barg
Working temperature	-20~85°C
Accuracy	±0.5% of span (at 25°C)
Temperature drift	< + 0.03% of span per 10°C
Resolution	1‰ of span
Sensor materials	Alloy & Engineering plastic
Electrical connection	3-way connector IP67 from MOLEX with 3m shielded cable as standard
Housing	Cast aluminium, IP67 protection
Process connection	Plastic flange
Standard accessories	flange, o-ring, gasket, protection covers, self-tapping screws, twisted seal, fuse & fuse holder
Certification	CE-Marking per EN61236-1 (with test report)

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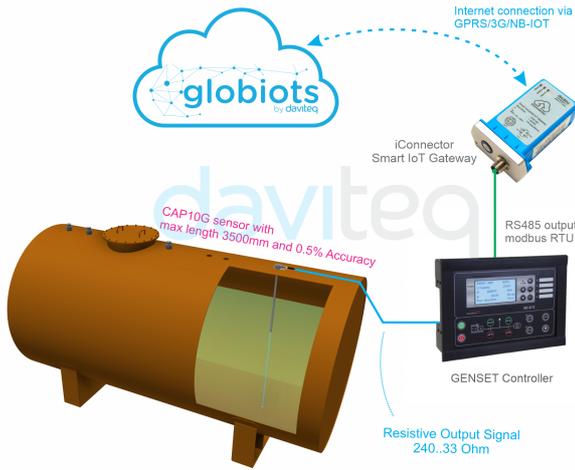
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CAP10G on STATIONARY TANK
connect with GENSET and Globiots Platform



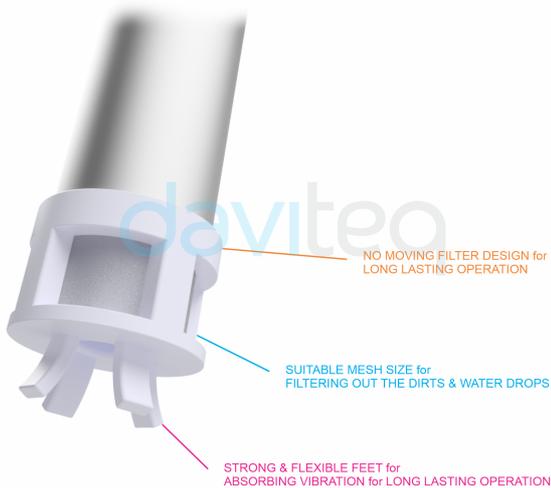
CAP10G-H3.PNG

Using for many controllers SMARTGEN, DEEP SEA, EMKO, ...



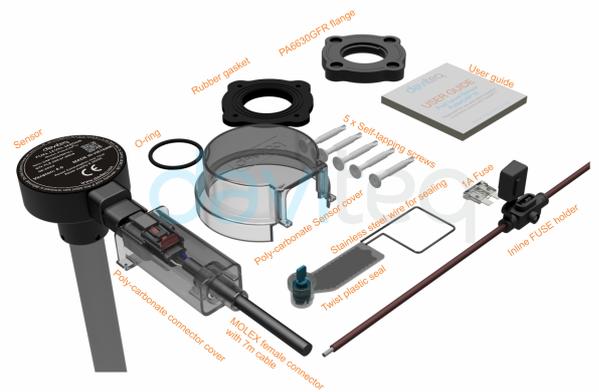
CAP10G-H4.PNG

SMART FILTERED FOOTER for STABLE MEASURING



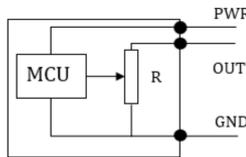
CAP10G-H5.PNG

PulseCAP10G Package includes

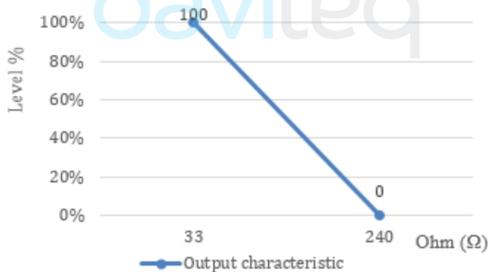


CAP10G-H6.PNG

WIRING FOR CAP10G WITH RESISTIVE OUTPUT

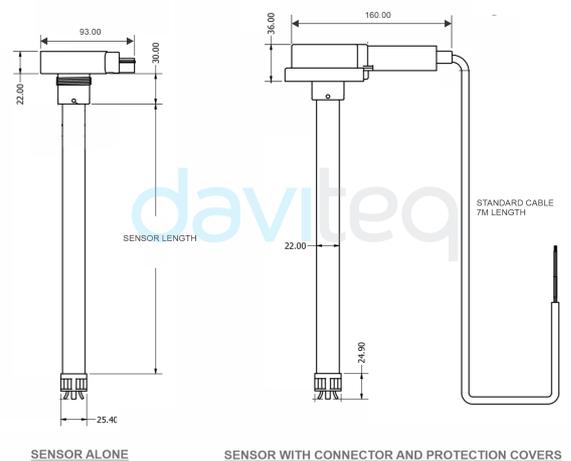


Wiring Diagram



CAP10G-H7.PNG

PulseCAP10G DIMENSION DRAWINGS
(Unit: mm)



CAP10G-H8.PNG

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Ordering Information

ITEM CODE	DESCRIPTIONS
CAP10G0700FULL	CAP10G Heavy Duty Fuel Level Sensor for GENSET, 700mm, resistive output 240~33 OHM, 0.5% accuracy, 1/500 resolution, full accessories with 3m cable
CAP10G1200FULL	CAP10G Heavy Duty Fuel Level Sensor for GENSET, 1200mm, resistive output 240~33 OHM, 0.5% accuracy, 1/500 resolution, full accessories with 3m cable, MOQ=16
CAP10G1500FULL	CAP10G Heavy Duty Fuel Level Sensor for GENSET, 1500mm, resistive output 240~33 OHM, 0.5% accuracy, 1/500 resolution, full accessories with 3m cable, MOQ=16
ACCESSORIES	
CAP10PROTECTSET	CAP10 protection cover set
CAP10PARTSKIT	CAP10 parts kit
CAP10INSUFLANGE	CAP10 plastic flange
CAP10HOUSCOVER	CAP10 housing protection cover
CAP10CNTCOVER	CAP10 connector protection cover
CAP10FOOTER-001	CAP10 filtered footer
CM-CAP10LOWERGASKET2	CAP10 rubber gasket
CAP10BLINDCAP	CAP10 blind cap

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