FUEL LEVEL SENSORS FOR VEHICLES
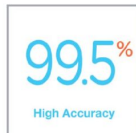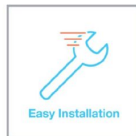
daviteq

SKU: CAP10

SMART FUEL LEVEL SENSOR PulseCAP10

CE

daviteq
FUEL LEVEL SENSOR
Model: PulseCAP10
Item: CAP10S20700FULL
S/N: FLS-20669
06-2018
Version: 4.0   MADE IN VIETNAM
Power Consumption: max 15mA
Power supply: 8...50VDC
www.daviteq.com

CAP10-H1.PNG

Easy Installation

Cuttable at Site

High Stability

99.5%

High Accuracy

PulseCAP10 is a Smart fuel level sensor, was invented & manufacrured since 2010, up to now there have been 50.000 pieces of sensor delivered to Vietnam, Malaysia, Singapore, Phillipines, Indonesia, India, Mexico, USA...PulseCAP10 fuel level sensor utilitizes the unique digital capacitance measuring technique of Daviteq, deliver high accuracy measurement and stability. It has multiple outputs, can work with many kind of GPS devices in over the World.

✓ **99.5% ACCURACY**
Patented digital capacitance measuring technique PulseCAP10 of Daviteq allow high accuracy

✓ **HIGH STABILITY**
Patented digital capacitance measuring technique PulseCAP10 of Daviteq with smart mechanical structure allow very high stable measuring output
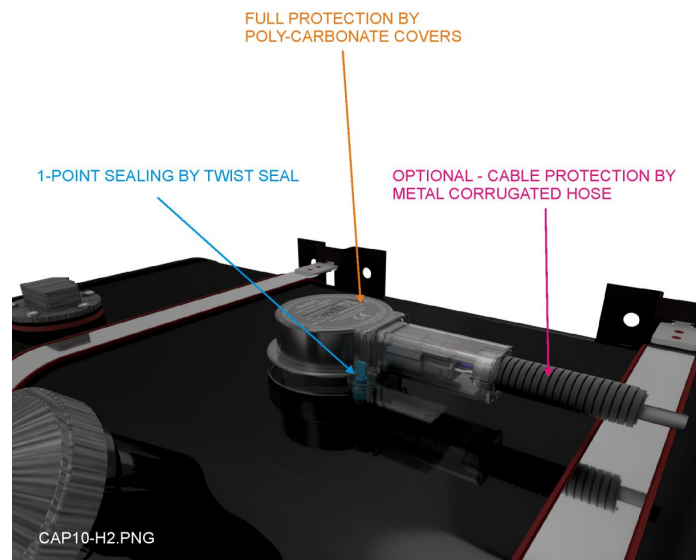
✓ **NO NEED CALIBRATION AFTER CUTTING**
Smart Firmware allow automatically recognize its new length after cutting. No need complicated calibration steps!!!

✓ **EASY INSTALLATION**
Smart design for easy installation and complete protection of sensor from tampering
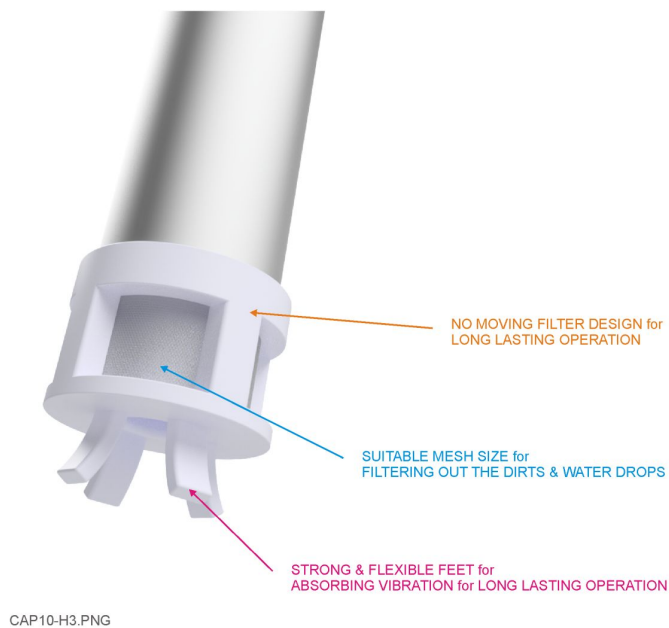
SMART DESIGN of PulseCAP10

FULL PROTECTION BY
POLY-CARBONATE COVERS

1-POINT SEALING BY TWIST SEAL

OPTIONAL - CABLE PROTECTION BY
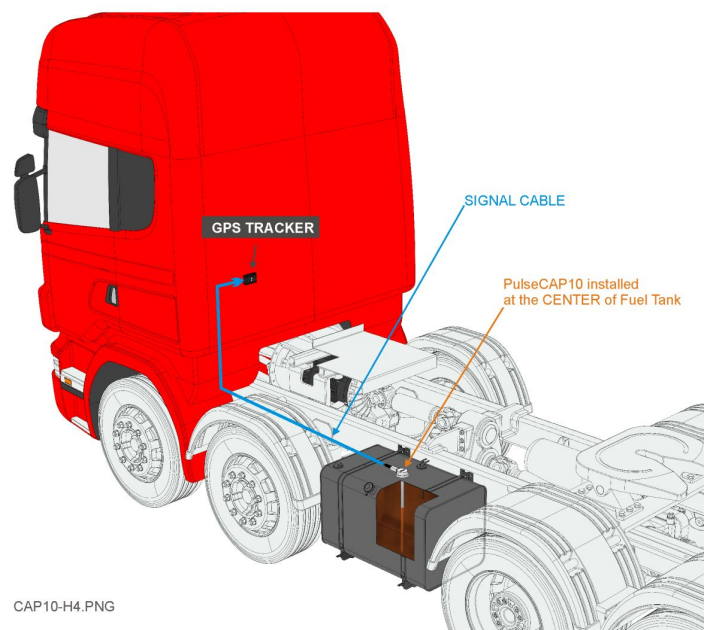METAL CORRUGATED HOSE

CAP10-H2.PNG

SPECIFICATION

Sensor length	standard 700mm, 1000mm, optional 1200 or 1500mm. Cuttable down to 200mm. Longer than 1500mm, suggest to use Industrial type sensor CAP10CN
Output	Analog (1..5VDC), RS232 (S2 protocol), PWM
Power supply	8..50VDC
Consumption	max 15mA
Working pressure	-1 .. 2 barg
Working temperature	-40 oC .. + 85 oC
Accuracy	+/- 0.5% of span (at 25 oC)
Temperature drift	< + 0.03% of span per 10oC
Resolution	1/1000 of span
Sensor materials	Alloy & Engineering plastic
Electrical connection	3-way connector IP67 from MOLEX with 7m shielded cable as standard
Housing	Cast alumium, 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)

SMART FILTERED FOOTER for STABLE MEASURING

NO MOVING FILTER DESIGN for
LONG LASTING OPERATION

SUITABLE MESH SIZE for
FILTERING OUT THE DIRTS & WATER DROPS

STRONG & FLEXIBLE FEET for
ABSORBING VIBRATION for LONG LASTING OPERATION

CAP10-H3.PNG

PulseCAP10 on ONE-TANK VEHICLE

GPS TRACKER

SIGNAL CABLE

PulseCAP10 installed
at the CENTER of Fuel Tank

CAP10-H4.PNG

PulseCAP10 on TWO-TANK VEHICLE

GPS TRACKER

FM128
SUMMING DEVICE

SIGNAL CABLES

PulseCAP10s installed
at the CENTER of Fuel Tanks
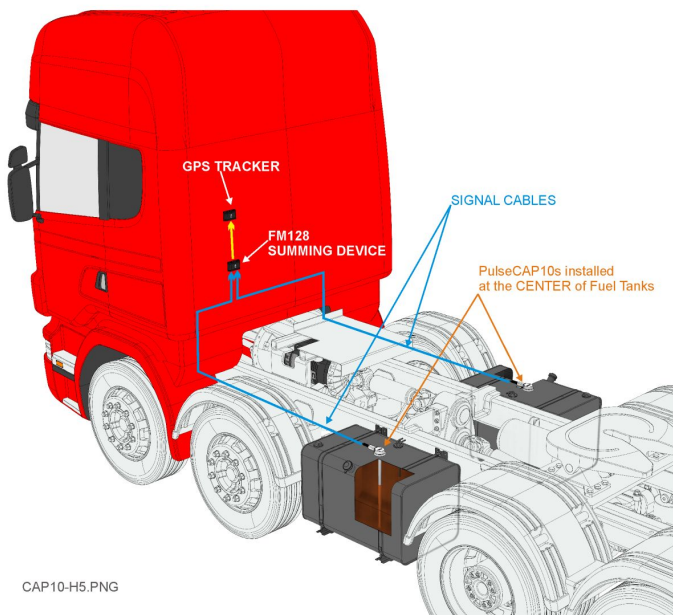
CAP10-H5.PNG

PulseCAP10 - FUEL TANK VOLUME TRENDING ACTUAL TRENDING FROM REAL TRUCK

Actual graph of Fuel Level/Volume trending (from a customer using PulseCAP10)

Fuel drain (Theft)
20 litres

Refueling (200 litres)

Truck registered no.61R-XXXX from date 09/04/2013 to 11/04/2013
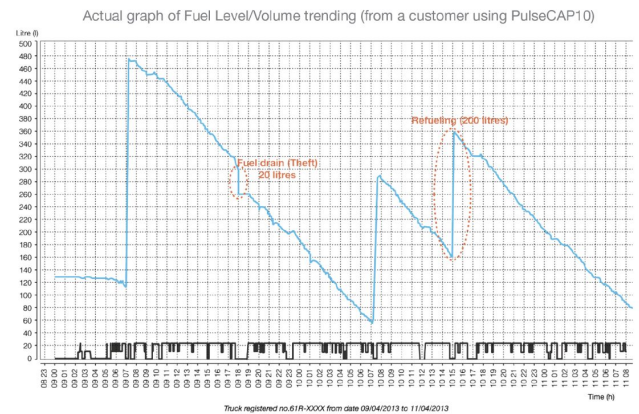
CAP10-H6.PNG

PulseCAP10 Package includes

PA6630GFR flange

Rubber gasket

User guide

5 x Self-tapping screws

Sensor

O-ring

Poly-carbonate Sensor cover

Stainless steel wire for sealing

1A Fuse

Inline FUSE holder

Twist plastic seal

Poly-carbonate connector cover

MOLEX female connector
with 7m cable
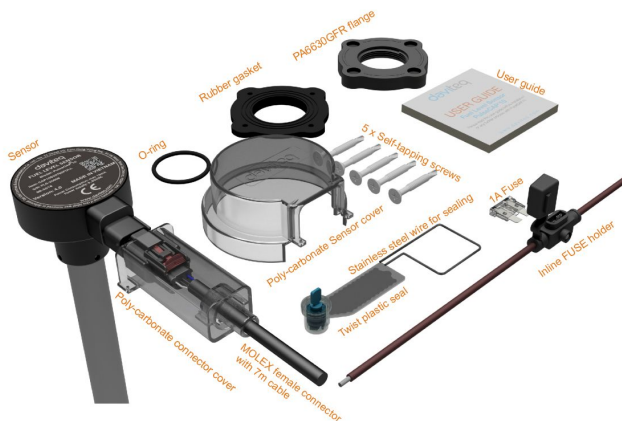
CAP10-H8.PNG

PulseCAP10 DIMENSION DRAWINGS

93.00

30.00

22.00

SENSOR LENGTH

25.40

SENSOR ALONE

36.00

160.00

22.00

24.90

STANDARD CABLE
7M LENGTH

SENSOR WITH CONNECTOR AND PROTECTION COVERS
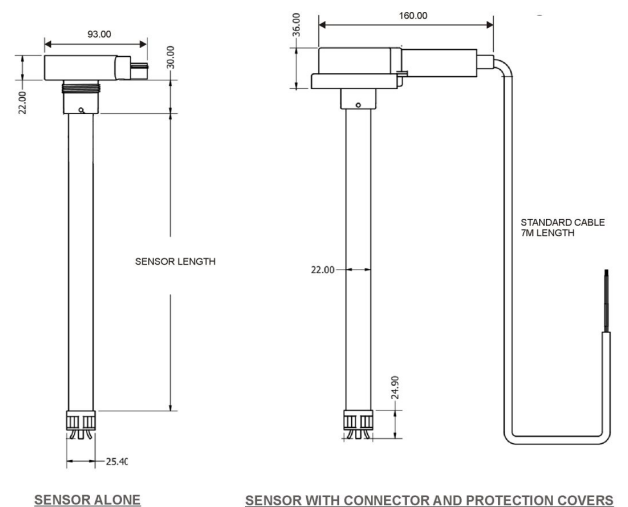
CAP10-H9.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
CAP10A0700FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 700mm, Output 1..5VDC, with accessories and 7m cable, for transportation
CAP10A1000FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 1000mm, Output 1..5VDC, with accessories and 7m cable, for transportation
CAP10A1200FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 1200mm, Output 1..5VDC, with accessories and 7m cable, for transportation
CAP10A1500FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 1500mm, Output 1..5VDC, with accessories and 7m cable, for transportation
CAP10S20700FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 700mm, Output Serial S2, with accessories and 7m cable, for transportation
CAP10S21000FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 1000mm, Output Serial S2, with accessories and 7m cable, for transportation
CAP10S21200FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 1200mm, Output Serial S2, with accessories and 7m cable, for transportation
CAP10S21500FULL	Fuel level sensor PulseCAP10, 3-way connector, factory calibrated by standard Diesel, L = 1500mm, Output Serial S2, with accessories and 7m cable, for transportation
ACCESSORIES	
CAP10V3CABLE7M	7m shielded signal cable with 3-way Molex connector, for CAP10 Version 3.X and later
CAP10V3CABLE14M	14m shielded signal cable with 3-way Molex connector, for CAP10 Version 3.X and later
CAP10V3CABLE21M	21m shielded signal cable with 3-way Molex connector, for CAP10 Version 3.X and later
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