

Fuel Level Sensor for Industrial Applications

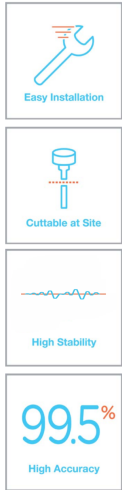


Smart Transportation, Smart Agriculture, Smart Building, Smart Energy, Smart Facility, Smart Factory, Smart Farm

SKU: CAP10CN



SMART FUEL LEVEL SENSOR PulseCAP10 4-20mA Output



CAP10CN-H1.PNG

CAP10CN is industrial version of PulseCAP10, designed for industrial applications like generator, stationary fuel tank in factory, building, construction site... CAP10CN has 4-20mA output or RS485/ModbusRTU output, can be connected easily to any industrial devices like PLC, IoT Gateway, iConnector... CAP10CN has very high accuracy 0.1% of span, can be used for tank up to 30.000 liters volume.

Applications

Energy Monitoring, Fuel Monitoring, Process Monitoring, Smart Irrigation, Vehicle Tracking

Notes For Applications

- ✓ **99.9% Accuracy**
Patented digital capacitance measuring technique PulseCAP10 of Daviteq allow high accuracy
- ✓ **Easy calibration**
Easy calibration for any fluid by just a button
- ✓ **Industrial Output Signals**
Output 4-20mA or RS485/ ModbusRTU for easy connecting to PLC, controller, SCADA, BMS...
- ✓ **Shorten to 100mm only!**
Allow to cut as short as 100mm length

SMART FUEL LEVEL SENSOR PulseCAP10 RS485



CAP10CN-H2.PNG

DAVITEQ TECHNOLOGIES INC

Ho Chi Minh City, VN | Koblenz, DE | Melbourne, AU | Zurich, CH

+84.28.6268.2523 / 6268.2524

info@daviteq.com

www.iot.daviteq.com

Created date: Dec-21-2022

Updated date: Aug-29-2024

1/4

Specification

Sensor length	standard 1500mm, extend to 4000mm (by extension probe) or cut down to 100mm
Output	4-20mA output (with 250Ω precision resistor), or RS485/ModbusRTU
Power supply	8~50VDC
Consumption	max 35mA
Working pressure	-1~2 barg
Working temperature	-20~85°C
Accuracy	±0.1% 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	connector M12 (matched connector and cable must be ordered separately)
Housing	Cast aluminium, IP67 protection
Process connection	Plastic flange
Standard accessories	flange, o-ring, gasket, protection covers, self-tapping screws, twisted seal
Certification	CE-Marking per EN61236-1 (with test report)

DAVITEQ TECHNOLOGIES INC

📍 Ho Chi Minh City, VN | Koblenz, DE | Melbourne, AU | Zurich, CH

☎ +84.28.6268.2523 / 6268.2524

✉ info@daviteq.com

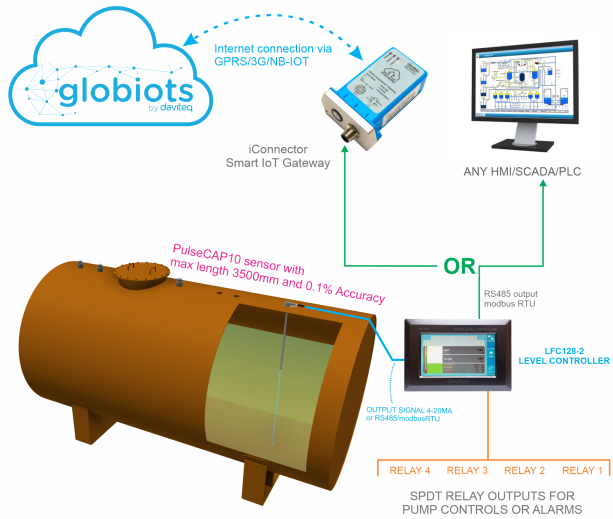
www.iot.daviteq.com

Created date: Dec-21-2022

Updated date: Aug-29-2024

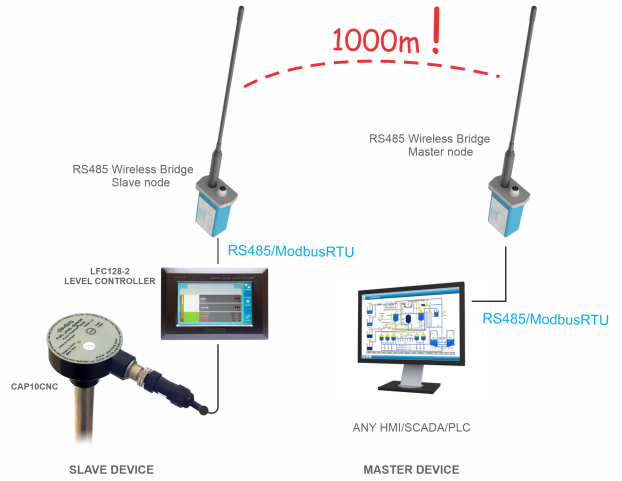
2/4

PulseCAP10 on STATIONARY TANK



CAP10CN-H3.PNG

CONNECT TO WIRELESS BRIDGE
SIMPLY REPLACE RS485 CABLE



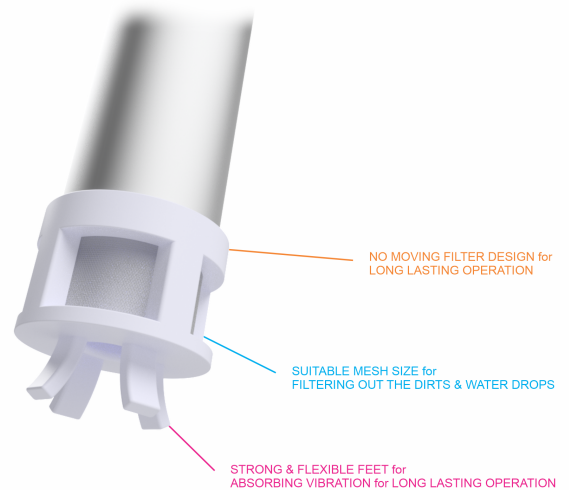
CAP10CN-H4.PNG

Connect with any PLC, HMI or IOT PLATFORM



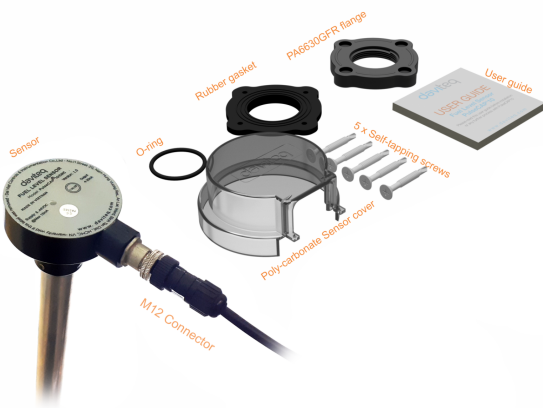
CAP10CN-H5.PNG

SMART FILTERED FOOTER for STABLE MEASURING



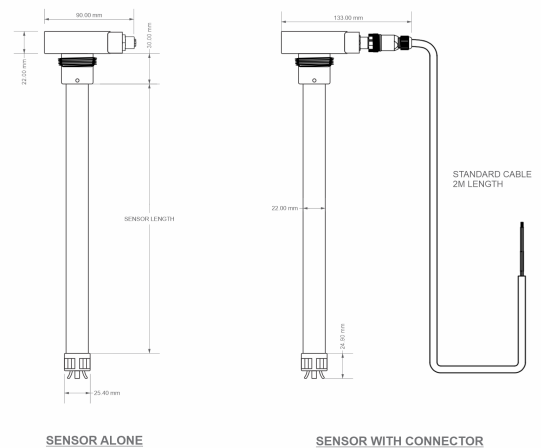
CAP10CN-H6.PNG

PulseCAP10 Package includes



CAP10CN-H7.PNG

PulseCAP10 DIMENSION DRAWINGS



CAP10CN-H8.PNG

DAVITEQ TECHNOLOGIES INC

Ho Chi Minh City, VN | Koblenz, DE | Melbourne, AU | Zurich, CH

+84.28.6268.2523 / 6268.2524

info@daviteq.com

www.iot.daviteq.com

Created date: Dec-21-2022


Updated date: Aug-29-2024


Ordering Information

ITEM CODE	DESCRIPTIONS
CAP10CNC1500F	Fuel Level Sensor PulseCAP10CN, M12-Female connector, calibration by button and LED signal indicator, extension up to 4000mm, factory calibrated by standard Diesel, L = 1500mm, output 4-20mA, with accessories, no cables, for industrial applications
CAP10CNR1500F	Fuel Level Sensor PulseCAP10CN, M12-Male connector, calibration by Modbus tool on PC, extension up to 4000mm, factory calibrated by standard Diesel, L = 1500mm, output RS485/ModbusRTU, with accessories, no cables, for industrial applications
CAP10EXT0500	Extension Probe for CAP10, L=500mm
CAP10EXT1000	Extension Probe for CAP10, L=1000mm
CAP10EXT1500	Extension Probe for CAP10, L=1500mm
ACCESSORIES	undefined
2M-MM12CAB4x0.25	M12 4pin Male assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm ² , L=2m, RoHS, Shield 80%
2M-FM12CAB4x0.25	M12 4pin Female assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm ² , L=2m, RoHS, Shield 80%
5M-MM12CAB4x0.25	M12 4pin Male assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm ² , L=5m, RoHS, Shield 80%
5M-FM12CAB4x0.25	M12 4pin Female assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm ² , L=5m, RoHS, Shield 80%
10M-MM12CAB4x0.25	M12 4pin Male assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm ² , L=10m, RoHS, Shield 80%
10M-FM12CAB4x0.25	M12 4pin Female assembly connector with Soldering terminals and coding A and Control Cable Cu/PVC/OS/PVC 4x0.25mm ² , L=10m, RoHS, Shield 80%
RS485-FM12-USB-1	RS485/USB multi-purpose Configuration cable with connector m12 male, female and flying leads, with Power adapter 12VDC/2.0A
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

DAVITEQ TECHNOLOGIES INC

 Ho Chi Minh City, VN | Koblenz, DE | Melbourne, AU | Zurich, CH

 +84.28.6268.2523 / 6268.2524

 info@daviteq.com

www.iot.daviteq.com

Created date: Dec-21-2022

Updated date: Aug-29-2024

4/4