

Capacitance & Voltage Specifications IVECO

CAPACITANCE

Compare readings from all capacitance tests to the following graphs according to the tank size being tested and feed through cable (+/- 10 pF)

Dual Tanks
3.4m/11ft crossover patch cable = ~195pf
3m/10ft crossover patch cable = ~178pf

Note: If tank contains LNG, capacitance readings will reflect that level as a reading within the range between "Empty" & "Full" capacitances listed.

Tank Outside Diameter	Empty Capacitance	Full Capacitance
660mm/26"	370	517
660mm/26" Bonus	382	537

Tank Outside Diameter	Empty Capacitance	Full Capacitance
660mm/26"	405	552
660mm/26" Bonus	417	572

Tank Outside Diameter	Empty Capacitance	Full Capacitance
660mm/26"	345	492
660mm/26" Bonus	357	512



Input Voltage

Supply voltage will be measured on the "RED" wire. Supply voltage will be ~24 VDC depending if the engine is operating, and the functional state of the batteries & charging system. Low/High supply voltages can cause incorrect signal voltages

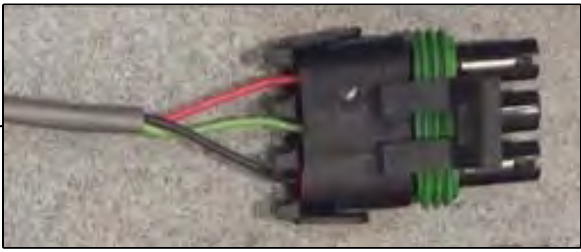
Signal Voltage


Signal voltage will be measured on the "Green" wire. Signal voltage is driven by capacitance and will vary depending on the amount of LNG in the tank, and supply voltage.

Ground Resistance

Ground resistance will be measured on the "Black" wire. Connect one test lead to the black wire from the sending unit and the other to the tank for ground. Reading should be less than one ohm.

Red Wire = Supply Voltage
Green Wire = Signal Voltage
Black Wire = Ground



	Input Voltage with engine operating, and charging system & batteries operating normally	
	~24VDC	
Voltage Type		
Standard Tank	Hard Stop	0.4
	Empty	0.5
	Full	4.5
Bonus Tank	Hard Stop	0.4
	Empty	0.8
	Full	3.7

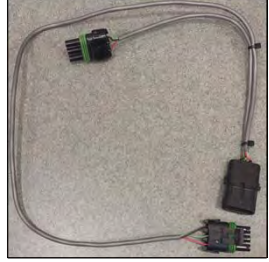
Capacitance Meter with Test Leads & Separate BNC Test Lead

Capacitance Meter 11633137
Capacitance Test Lead 11385436



Breakout Harness

Breakout Harness 10989182



Volt Meter with Test Leads



NOTE: General voltages & capacitances are provided in this document. Large deviations from provided numbers may indicate an issue. Supply voltage of ~24 VDC may vary depending on the engine operating rpm, and the functional state of the batteries & charging system. Low/High supply voltages can cause incorrect signal voltages