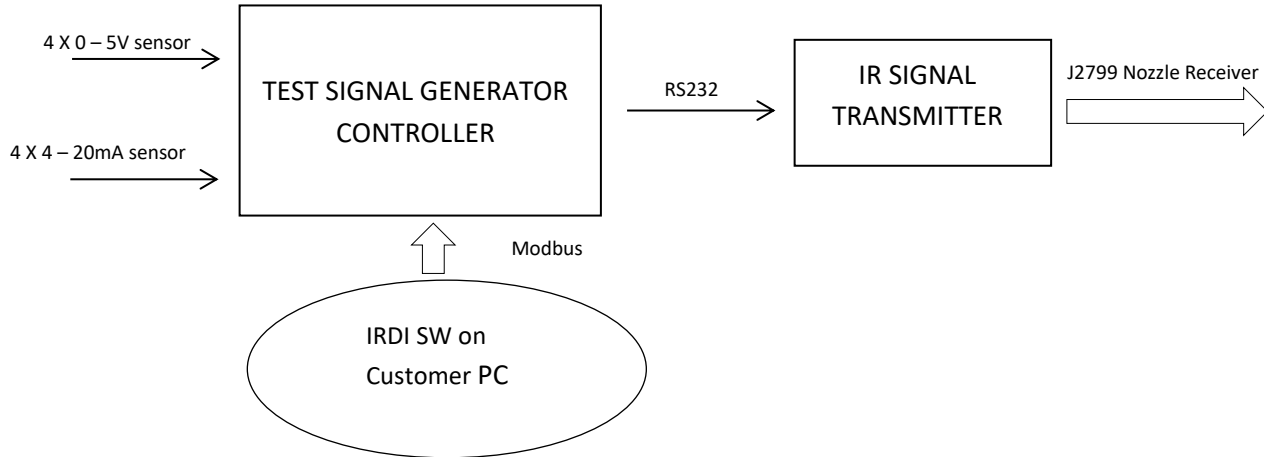


# INFRARED COMMUNICATION SOLUTIONS

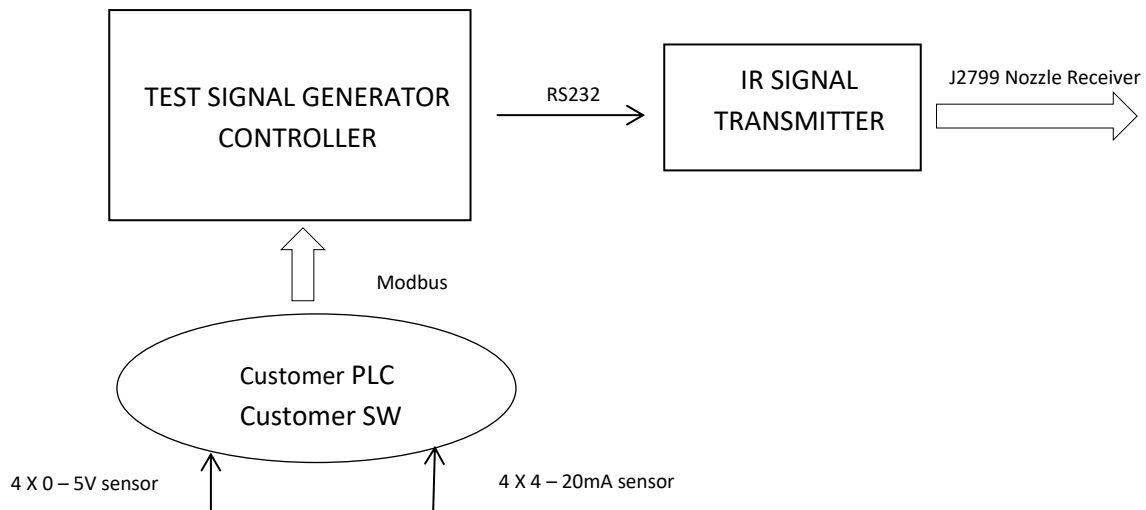
## TEST SIGNAL GENERATOR CONFIGURATIONS

### Configuration 1- Full Feature TSG Gen 3 with Modbus input.

Class 1 Div 2 certified, Analog inputs, data logging, Digital I/O



### Configuration 2- Obsolete. All features added to configuration 1 above.

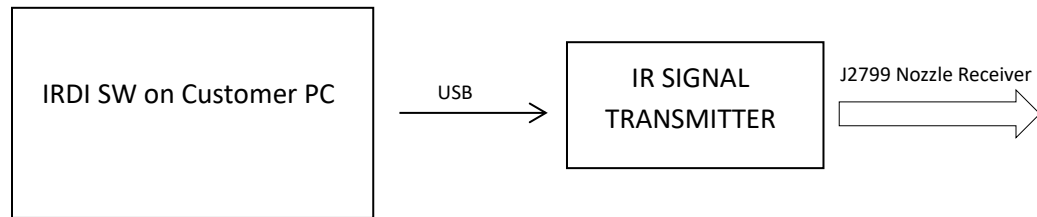


# INFRARED COMMUNICATION SOLUTIONS

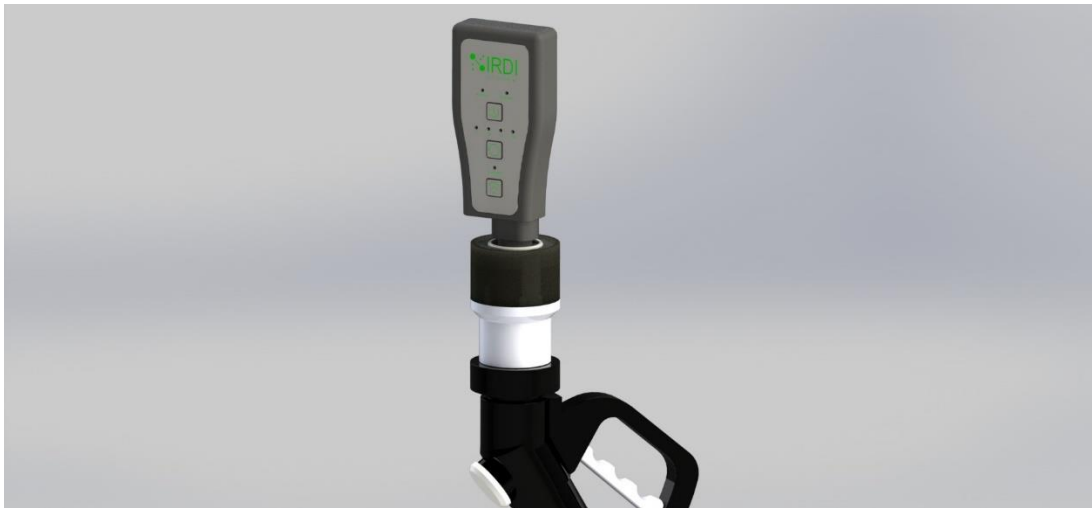
## TEST SIGNAL GENERATOR CONFIGURATIONS

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**Configuration 3-TSG with PC screen inputs. No analog inputs. All inputs from PC screen**



**Configuration 4-Handheld IR Transmitter. No analog inputs. Test patterns download from laptop through USB**



# INFRARED COMMUNICATION SOLUTIONS

## TEST SIGNAL GENERATOR CONFIGURATIONS

Features	Configuration 1	Configuration 2	Configuration 3	Configuration 4
Availability	✓	✗	✓	✓
	TSG Gen 3	Modbus PLC	Laptop to TX	Handheld
J2799 compatible	✓	✓	✓	✓
Analog inputs for pressure and temperature sensors	✓	Through customer's controller	✗	✗
Digital inputs and outputs	✓	Through customer's controller	✗	✗
Data logging of input parameters	✓	Through customer's controller	✗	✗
Modbus input	✓		✗	✗
Incorrect CRC	✓	✓	✓	✓
Incorrect Value	✓	✓	✓	✓
Power inputs	24VDC	24VDC	Power from Laptop	Battery

Test Signal Generator	
Communications	Front end output: SAE J2601 transmit Back End Input: sensor input 4 X 0- 5V; 4 X 4 – 20mA
Power Supply:	Test signal generator controller: 24VDC
Size (L x W x H)	16.4 x 10.9 x 4.22 (cm)
Operating Temperature	-10C to +50C

Test Nozzle Receiver	
Communications	Front end input: SAE J2601 transmit Back End: Output: RS485, USB
Power Supply:	5V, 50mA
Physical Packaging	~63mm Dia X 25mm
Operating Temperature	-40C to +80C

# INFRARED COMMUNICATION SOLUTIONS

## TEST SIGNAL GENERATOR CONFIGURATIONS

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Test Signal Generator controller and Software		
201229	Test signal generator Controller Generation 3 – Class 1 Division 2 certified	Configuration 1
201407	Test signal generator Gen3 – application software	Configuration 1
200416	Test signal generator-Labview Software USB	Configuration 3

IR Signal Transmitter		
201365	Test IR Transmitter Class 1 Division 2 certified	Configuration 1
200410	IR Signal transmitter-USB, Class 1 Division 2 certified	Configuration 3
200428	Handheld IR transmitter-Battery power	Configuration 4

Test nozzle receiver		
200403	Test nozzle receiver-not certified, RS485 output	All configuration
200621	Test nozzle receiver not certified USB output	All configuration
200504	Test Receiver Software	All configuration

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