



Quality Control / Calibration Certificate

Certificate #: 20160003

Product: GP001 / GP002		Serial #: <u>GP20160003</u>	
Description: CO ₂ Gas Probe		Customer: <u>JOE VERFAILLIE</u>	
<input type="checkbox"/> GP001 (1m)	<input type="checkbox"/> SSC(Included)	<input checked="" type="checkbox"/> Single Range	<input type="checkbox"/> Serial Cable
<input checked="" type="checkbox"/> GP002 (3m)	<input type="checkbox"/> SLC(Optional)	<input type="checkbox"/> Dual Range	<input type="checkbox"/> DC+ Cable
	<input checked="" type="checkbox"/> BARE 10m	<input type="checkbox"/> _____	<input type="checkbox"/> GND Connector

Function:	Condition:	Result:
GP Hardware		
Membrane	No Defects (Visual inspection)	Pass <u>EDM</u>
GP Cable		
External Power	GP Receives power from 12 V DC power source via cable	Pass <u>EDM</u>
Digital Comm.	GP Communicates w/ eosLink-GP via cable	Pass <u>EDM</u>
Analog Signal	SE wires produce voltmeter reading when GP powered	Pass <u>EDM</u>
<input type="checkbox"/> Additional GP Cable		
External Power	GP Receives power from 12 V DC power source via cable	Pass _____
Digital Comm.	GP Communicates w/ eosLink-GP via cable	Pass _____
Analog Signal	SE wires produce voltmeter reading when GP powered	Pass _____
Serial Extension Cable		
Digital Comm.	GP Communicates w/ eosLink-GP via cable	Pass _____
DC+ External Power Cable		
External Power	GP Receives power from 12 V DC power source via cable	Pass _____

Calibration:	Single (Primary) Range	0 - <u>1000</u> ppm CO ₂		
	Dual (Secondary) Range	0 - _____ ppm CO ₂		
Spec:	Conc.:	Rated:	Measured:	Result:
<1% range + 1% reading	<i>Primary Range</i>			
	<u>51</u> ppm	± <u>11</u>	<u>79</u> ppm	Pass <u>X</u>
	<u>797</u> ppm	± <u>18</u>	<u>835</u> ppm	Pass <u>X</u>
	<u>264</u> ppm	± <u>13</u>	<u>293</u> ppm	Pass <u>X</u>
	<i>Secondary Range</i>			
	_____ ppm	± _____	_____ ppm	Pass _____
	_____ ppm	± _____	_____ ppm	Pass _____

CORRECTED
* See ** Notes 51
797
262

Notes:
 $|CO_2| = V_{56/5} * 1.2 * RANGE$
 * DUE TO THE NARROW RANGE OF THIS PROBE, IT IS STRONGLY RECOMMENDED THAT A 2-PT CALIBRATION BE COMPLETED NEAR THE EXPECTED OPERATING TEMPERATURE

Approved by: [Signature] Date: 03 / 14 / 16

** THIS PROBE WAS TESTED USING 3 STANDARD POINTS (51, 264, 797ppm) AT 25°C PRIOR TO SHIPMENT. THE LINEAR CORRECTION IS:

$$Y = 0.9857X - 26.132 \quad (2\text{-pt CORRECTION})$$

WHERE Y IS THE ACTUAL CONCENTRATION, AND X IS THE MEASURED CONCENTRATION CONTINUED →

WHEN THE LINEAR CORRECTION IS APPLIED THE CORRECTED MEASURED CONCENTRATIONS ARE WITHIN SPEC. (SEE 'CORRECTED' COLUMN ON PREVIOUS PAGE).

IF IT IS NOT POSSIBLE TO COMPLETE A 2-PT CALIBRATION PRIOR TO USE, PLEASE APPLY THE EOSENSE 2-PT CORRECTION TO YOUR DATA.