



Quality Control / Calibration Certificate

Certificate #: 20170028

Product: GP001 / GP002		Serial #: <u>GP20170028</u>	
Description: CO ₂ Gas Probe		Customer: <u>CRISTINA CASTANHA</u>	
<input type="checkbox"/> GP001 (1m)	<input checked="" type="checkbox"/> SSC(Included)	<input checked="" type="checkbox"/> Single Range	<input type="checkbox"/> Serial Cable
<input type="checkbox"/> GP002 (3m)	<input type="checkbox"/> SLC(Optional)	<input type="checkbox"/> Dual Range	<input checked="" type="checkbox"/> DC+ Cable
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input checked="" type="checkbox"/> GND Connector

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

Calibration:	Single (Primary) Range	0 - <u>10,000</u> ppm CO ₂		
	Dual (Secondary) Range	<u>0</u> - _____ ppm CO ₂		
Spec:	Conc.:	Rated:	Measured:	Result:
<1% range + 1% reading	<i>Primary Range</i>			
	<u>3.6</u> ppm	± <u>99.9</u>	<u>-8.9</u> ppm	Pass <u>TDD</u>
	<u>2043.3</u> ppm	± <u>119.2</u>	<u>1918.5</u> ppm	Pass <u>TDD</u>
	<i>Secondary Range</i>			
	<u>8018.4</u> ppm	± <u>180.9</u>	<u>8091.8</u> ppm	Pass <u>TDD</u>
	_____ ppm	± _____	_____ ppm	Pass _____

Notes: $[CO_2] = \frac{V_{se}}{5} \times 1.2 \times RANGE$

Approved by: TDD

Date: 09 / 15 / 2017