

Error code	Area	text	Root cause	Action required
0	SGM II Gas analyser	Change O2 Cell	O2 cell expired	Replace O2 sensor and calibrate
1	SGM II Gas analyser	Pre_Warning O2 Cell near end of life!	O2 cell near end of life	Order replacement O2 cell ready to replace
2	SGM II Gas analyser	Temperature limit exceeded	Gas module overheated	check fan / filter on base of gas module
3	SGM II Gas analyser	BGL (Negative Drift)	Zero point drifted	ensure no fumes in workshop and zero calibrate unit
4	SGM II Gas analyser	Water Detected	water in gas sample system	allow SGM to automatically clear water
5	SGM II Gas analyser	Gas bench errors Present	Gas bench has fault	see other codes
6	SGM II Gas analyser	Auto zero calibration pending	Gas bench need to autocal	remove sample probe from exhaust and allow unit to autocalibrate
7	SGM II Gas analyser	Condensation in bench Detected	water in gas bench	leave pump running and allow sample system to dry out
8	SGM II Gas analyser	Low Gas Flow / Water in Pipe	filters blocked / water in pipe	allow water to clear / change filters/ blow hose out with an airline
9	SGM II Gas analyser	High Vacuum Reading	filters blocked / water in pipe	allow water to clear / change filters/ blow hose out with an airline
10	SGM II Gas analyser	Temperature Error	Gas bench overheating	check fan on gas module
11	SGM II Gas analyser	CO2 too high while HC residue check	Co2 high	remove probe from exhaust
12	SGM II Gas analyser	Gasbench driver error	USB connection problem	check USB connectors and or restart system
13	SGM II Gas analyser	No NO cell	no cell detected	connect cell
14	SGM II Gas analyser	No O2 cell	no cell detected	connect cell
15	SGM II Gas analyser	No Gas Flow / Pump not Running!	no flow detected from pump	check for blockage restart gas module
16	SGM II Gas analyser	No Acceptable new cell	new cell fitted outside of tolerance	check cell / replace as required
17	SGM II Gas analyser	Change NO cell	No cell needs changing	replace No cell
18	SGM II Gas analyser	NO cell requires calibration	No cell requires calibration	service engineer required
19	SGM II Gas analyser	Calibration Expired	Gas calibration expired	service engineer required
20	SGM II Gas analyser	Calibration due within 14 days	gas calibration due in 14 days	service engineer required within 14 days
21	SGM II Gas analyser	Leak Check Required	daily leak check required	perform leakcheck
245	SDP platform (PC)	Error cannot open the device OBD ROTI II	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
246	SDP platform (PC)	Error cannot open the device DSS 2 SMOKEMETER	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
247	SDP platform (PC)	Error cannot open the device REMOTE CONTROL	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
248	SDP platform (PC)	Error cannot open the device RPM & TEMPERATURE	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
249	SDP platform (PC)	Error cannot open the device GAS MODULE	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
250	SDP platform (PC)	Error cannot open the device DSS 10 SMOKEMETER	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
251	SDP platform (PC)	Error cannot open the device DSS 10 W SMOKEMETER	PC not seeing external device	check Bluetooth dongle location / configuration setting within SDP software
255	SDP platform (PC)	OBD ROTI II can't connect	PC not communicating with external device	check external device powered up / within operating range
256	SDP platform (PC)	DSS 2 SMOKEMETER can't connect	PC not communicating with external device	check external device powered up / within operating range
257	SDP platform (PC)	REMOTE CONTROL can't connect	PC not communicating with external device	check external device powered up / within operating range
258	SDP platform (PC)	RPM & TEMPERATURE can't connect	PC not communicating with external device	check external device powered up / within operating range
259	SDP platform (PC)	GAS MODULE can't connect	PC not communicating with external device	check external device powered up / within operating range
260	SDP platform (PC)	DSS 10 SMOKEMETER can't connect	PC not communicating with external device	check external device powered up / within operating range
261	SDP platform (PC)	DSS 10 W SMOKEMETER can't connect	PC not communicating with external device	check external device powered up / within operating range
330	DSS 10 W SMOKEMETER	Ambient temperature too high or too low.	Smokehead measuring air temperature out of range	Move head to a different location / engineer required
331	DSS 10 W SMOKEMETER	Optical detector temperature too high or too low.	Internal optic failure	service engineer required
332	DSS 10 W SMOKEMETER	The Tube Temperature is low.	internal measuring tube temp out of range	allow to warm up, ensure battery charge light is not on, service engineer required
333	DSS 10 W SMOKEMETER	Supply voltage too high or too low.	internal voltage out of range	service engineer required
334	DSS 10 W SMOKEMETER	Annual calibration required. Call for service !!	smokehead calibration required	service engineer required
335	DSS 10 W SMOKEMETER	Opacity out of range Zero calibration required.	Optic windows dirty or faulty	clean optics and try recalibrating unit
336	DSS 10 W SMOKEMETER	Requested number of sample points have not been sampled completely.	insufficient smoke to complete test	retest vehicle
337	DSS 10 W SMOKEMETER	Smoke head has been restarted. Zero calibration required !	unit has restarted and not done self test	perform a zero calibration

338	DSS 10 W SMOKEMETER	Calibration Error.	unit has been unable to self calibrate	clean optics and try recalibrating unit
339	DSS 10 W SMOKEMETER	Optics' windows dirty Zero calibration required.	Optic windows dirty or faulty	clean optics and try recalibrating unit
340	DSS 10 W SMOKEMETER	Smoke head is armed.	smokehead is ready to measure	none
341	DSS 10 W SMOKEMETER	Smoke head is Triggered current sample in progress.	smokehead is working correctly	none
342	DSS 10 W SMOKEMETER	Fan Error.	Fan not running or not at correct speed	check battery condition / service engineer required
343	DSS 10 W SMOKEMETER	Exhaust Gas Temperature too low.	Exhaust gas temperature measurement too low	retest vehicle
344	DSS 10 W SMOKEMETER	EEPROM error occurred.	smokehead circuit board problem	service engineer required
345	DSS 10 W SMOKEMETER	Broken Thermistor.	internal measuring thermistor broken / faulty	service engineer required
346	DSS 10 W SMOKEMETER	The Diesel Smoke Tester is going through a warmup phase.	smokehead is still warming up	allow to warmup / check battery condition
347	DSS 10 W SMOKEMETER	Battery voltage is getting low, redock unit in charging station shortly.	battery voltage is dropping	return smokehead to charge station