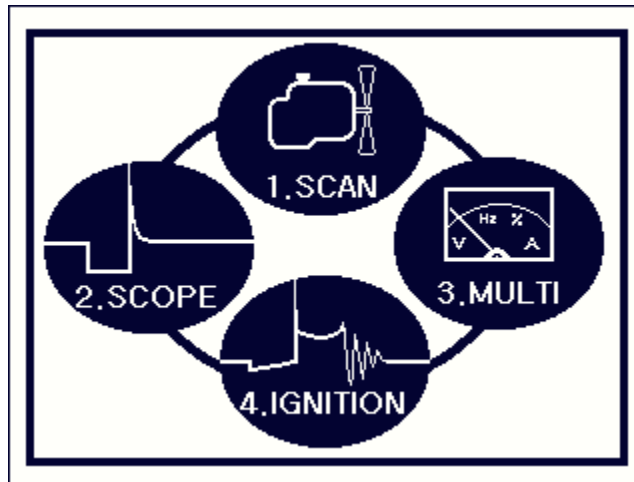


# Hanatech IM-2400 4/5 Gas Analyser



## IM - 2400 4/5 Gas Analyser and UltrascanPlus Interface Screen Views

There is no Nox sensor fitted to the bench from which these readings were taken. Hence the high readings on Nox.



SELECT SCAN FUNCTION	
1. GAS ANALYZER	E303
2. GENERAL OBD2	E200
3. HYUNDAI VEHICLE	K512
4. DAEWOO VEHICLES	K511
5. KIA VEHICLES	K512
6. SSANGYONG VEHIC	K512
7. SAMSUNG VEHICLE	K511
8. MITSUBISHI	E250

ESC. RETURN TO ABOVE

GAS ANALYZER		
1. SELECT VEHICLE	6. CHECK LEAKAGE	
2.	ANALYZER VERSION	
3.	ANDROS6241 D8	
4.		
5. PUMP ON/OFF	0. ADJUST ZERO	
<b>CO %</b>	<b>HC ppm</b>	<b>NOx ppm</b>
0.00	0	0
<b>CO2 %</b>	<b>O2 %</b>	<b>λ</b>
0.00	0.00	0.00
ANALYZER TEMP : 0.0 °C		

GAS ANALYZER		
1.SELECT VEHICLE	6.CHECK LEAKAGE	
2.CHECK AUTOMATIC	7.ADJ HC CO CO2	
3.START MANUAL	8.ADJUST NOx	
4.PRINT RESULT	9.CALCULATION	
5.PUMP ON/OFF	0.ADJUST ZERO	
<b>CO %</b>	<b>HC ppm</b>	<b>NOx ppm</b>
<b>0.00</b>	<b>2</b>	<b>8134</b>
<b>CO2 %</b>	<b>O2 %</b>	<b>λ</b>
<b>0.00</b>	<b>20.75</b>	<b>2.50</b>
<b>ANALYZER TEMP : 36.5 °C</b>		

SELECT VEHICLE	
1.S	<b>1. CO: 1.2%, HC: 220ppm</b>
2.C	2. CO: 1.2%, HC: 400ppm
3.S	3. CO: 4.5%, HC:1200ppm
4.P	4. CO: 2.2%, HC: 400ppm
5.P	5. CO: 1.7%, HC: 250ppm
<b>C</b>	6. CO: 1.7%, HC: 250ppm
<b>C</b>	<b>7. Lambda : 1.0 ± 0.10</b>
<b>C</b>	8. Lambda : 1.0 ± 0.15
<b>C</b>	9. Lambda : 1.0 ± 0.20
<b>ANALYZER TEMP : 36.5 °C</b>	

CHECK AUTOMATIC		
1.SELECT VEHICLE	6.CHECK LEAKAGE	
2.CHECK AUTOMATIC	7.ADJ HC CO CO2	
3.	<b>CHECK PROBE INSERTION</b>	
4.PRINT RESULT	9.CALCULATION	
5.PUMP ON/OFF	0.ADJUST ZERO	
<b>CO %</b>	<b>HC ppm</b>	<b>NOx ppm</b>
<b>0.00</b>	<b>1</b>	<b>8134</b>
<b>CO2 %</b>	<b>O2 %</b>	<b>λ</b>
<b>0.01</b>	<b>20.75</b>	<b>2.50</b>
<b>ANALYZER TEMP : 36.7 °C</b>		

CHECK AUTOMATIC		
1.	TEST PROHIBITION	
2.	1.REMOVE TEST PROBE	
3.	2.ACCELERATE ENGINE	
4.	3.OPERATE A/C, HEATER	
5.		
<b>CO</b> %	<b>HC</b> ppm	<b>NOx</b> ppm
<b>0.00</b>	<b>1</b>	<b>8134</b>
<b>CO2</b> %	<b>O2</b> %	<b>λ</b>
<b>0.00</b>	<b>20.66</b>	<b>2.50</b>
ANALYZER TEMP : 36.7 °C		

GAS ANALYZER		
1.	SELECT VEHICLE	6.CHECK LEAKAGE
2.	MANUAL TEST IN PROGRESS	
3.	TO STOP TEST PRESS [3].	
4.		
5.	PUMP ON/OFF	0.ADJUST ZERO
<b>CO</b> %	<b>HC</b> ppm	<b>NOx</b> ppm
<b>0.00</b>	<b>0</b>	<b>8135</b>
<b>CO2</b> %	<b>O2</b> %	<b>λ</b>
<b>0.00</b>	<b>20.85</b>	<b>2.50</b>
ANALYZER TEMP : 36.7 °C		

GAS ANALYZER		
1.	DO MANUAL CHECK START /	
2.	STOP FIRST.	
3.	AFTER THEN PRINT OUT	
4.	IS POSSIBLE.	
5.		
<b>CO</b> %	<b>HC</b> ppm	<b>NOx</b> ppm
<b>0.00</b>	<b>0</b>	<b>8135</b>
<b>CO2</b> %	<b>O2</b> %	<b>λ</b>
<b>0.00</b>	<b>20.85</b>	<b>2.50</b>
ANALYZER TEMP : 36.5 °C		

GAS ANALYZER			
1.	STOP UP THE END OF TEST PROBE WITH TEST CAP AND PRESS [ENTER] KEY.		
2.			
3.			
4.			
5.	PUMP ON/OFF	0.ADJUST ZERO	
HC ppm	CO %	CO2 %	NOx ppm
PEF		PRESS	
ANALYZER TEMP : 36.2 °C			

GAS ANALYZER			
1.	SELECT VEHICLE	6.	CHECK LEAKAGE
2.	CHECK AUTOMATIC	7.	ADJ. HC CO CO2
3.	CHECKING IN PROGRESS		
4.	PRINT RESULT	9.	CALCULATION
5.	PUMP ON/OFF	0.	ADJUST ZERO
HC ppm	CO %	CO2 %	NOx ppm
1	0.00	0.00	8135
PEF	0.508	PRESS	44
ANALYZER TEMP : 36.2 °C			

GAS ANALYZER			
1.	NO LEAKAGE REMOVE TEST CAP AND PRESS [ENTER] KEY.		
2.			
3.			
4.			
5.	PUMP ON/OFF	0.ADJUST ZERO	
HC ppm	CO %	CO2 %	NOx ppm
1	0.00	0.00	8135
PEF	0.508	PRESS	129
ANALYZER TEMP : 36.2 °C			

GAS ANALYZER			
1.	<div style="border: 1px solid black; padding: 5px;"> <p>THERE IS LEAKAGE. REMOVE TEST CAP AND CHECK ANALYZER.</p> </div>		
2.			
3.			
4.			
5.	PUMP ON/OFF      0-ADJUST ZERO		
HC ppm	CO %	CO2 %	NOx ppm
0	0.00	0.00	8135
PEF	0.508	PRESS	40
ANALYZER TEMP : 36.2 °C			

ADJUST CO CO2 HC			
1.	<div style="border: 1px solid black; padding: 5px;"> <p>OPEN CALIBRATION GAS VALVE AND INPUT TAG VALUE CORRESPONDING.</p> </div>		
2.			
3.			
4.			
5.	PUMP ON/OFF      0-ADJUST ZERO		
HC ppm	CO %	CO2 %	NOx ppm
0000	0000	0000	
0	0.00	0.00	8135
PEF	0.508	PRESS	129
ANALYZER TEMP : 36.2 °C			

ADJUST NOx			
1.	<div style="border: 1px solid black; padding: 5px;"> <p>OPEN CALIBRATION GAS VALVE AND INPUT TAG VALUE CORRESPONDING.</p> </div>		
2.			
3.			
4.			
5.	PUMP ON/OFF      0-ADJUST ZERO		
HC ppm	CO %	CO2 %	NOx ppm
			0000
2	0.00	0.00	8135
PEF	0.508	PRESS	129
ANALYZER TEMP : 36.2 °C			

INPUT CALCULATION		
1. SELECT VEHICLE	6. CHECK LEAKAGE	
2. CHECK AUTOMATIC	7. ADJ. HG. CO. CO2	
3.	INPUT CALCULATION VALUE	
4. PRINT RESULT	9. CALCULATION	
5. PUMP ON/OFF	0. ADJUST ZERO	
<b>GASOLIN HCV</b>	<b>GASOLIN OCV</b>	
<b>31.85</b>	<b>0.0000</b>	
<b>LPG HCV</b>	<b>LPG OCV</b>	
<b>02.50</b>	<b>0.0000</b>	
ANALYZER TEMP : 36.2 °C		

GAS ANALYZER		
1. SELECT VEHICLE	6. CHECK LEAKAGE	
2. CHECK AUTOMATIC	7. ADJ. HG. CO. CO2	
3.	ZERO IN PROGRESS	
4. PRINT RESULT	9. CALCULATION	
5. PUMP ON/OFF	0. ADJUST ZERO	
<b>CO %</b>	<b>HC ppm</b>	<b>NOx ppm</b>
<b>0.00</b>	<b>0</b>	<b>8136</b>
<b>CO2 %</b>	<b>O2 %</b>	<b>λ</b>
<b>0.00</b>	<b>20.75</b>	<b>2.50</b>
ANALYZER TEMP : 36.2 °C		

GAS ANALYZER		
1. SELECT VEHICLE	6. CHECK LEAKAGE	
2. CHECK AUTOMATIC	7. ADJ. HG. CO. CO2	
3.	ZERO ADJUSTING FAILED	
4. PRINT RESULT	9. CALCULATION	
5. PUMP ON/OFF	0. ADJUST ZERO	
<b>CO %</b>	<b>HC ppm</b>	<b>NOx ppm</b>
<b>0.00</b>	<b>0</b>	<b>8136</b>
<b>CO2 %</b>	<b>O2 %</b>	<b>λ</b>
<b>0.00</b>	<b>20.75</b>	<b>2.50</b>
ANALYZER TEMP : 36.2 °C		