



PT HANALA SETIA SEMESTA

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CALIBRATION CERTIFICATE

SC.No.HSS-3010/06

Owner's Name : PT. OVALANGGA CITRA SAMUDERA
Name of Instrument : PERSONAL MULTI GAS DETECTOR
Maker : HONEYWEL BW TECHNOLOGY
Type / Serial No. : MICROCLIP XL / KA 420-1017217
Date of Receive : 27 - 09 - 2023
Date of Calibration : 03 - 11 - 2023
Next Calibration : 03 - 11 - 2024
Location of Calibration : LAB.PENGUJI HSS

Ambient Temp. : 27°C

Rel. Humidity : 47 %

CALIBRATION REPORT

A. CH4 (0-100% LEL)

Instrument Reading CH4 %	Reference Reading CH4 %	Correction CH4 %
50	50	0

Uncertainty : $\pm 2 \%$ (U 95% k=2)

B. Oxygen (0-25% VOL)

Instrument Reading O2 %	Reference Reading O2 %	Correction O2 %
0.0	0.0	0.0
18.0	18.0	0.0
20.9	20.9	0.0

Uncertainty : $\pm 0.04 \%$ (U 95% k=2)

C. CO (ppm)

Instrument Reading (ppm)	Reference Reading (ppm)	Correction (ppm)
100	100	0

Uncertainty : $\pm 5 \text{ ppm}$ (U 95% k=2)

D. H2S (ppm)

Instrument Reading (ppm)	Reference Reading (ppm)	Correction (ppm)
25	25	0

Uncertainty : $\pm 0.26 \text{ ppm}$ (U 95% k=2)

Notes :

- This certify that the below instrument meets or exceed all published specifications and has been calibrated using standards or calibrators whose accuracies are traceable to national standards or to nationally accepted measuring system, and or have been derived by the intercomparison or self-calibration techniques.
- Measuring Standard to be use :
 - Standard CH4 50 % LEL, CO 100ppm, H2S 25ppm, O2 18% and Zero air N2 99.99%
- Method of Calibration :
 - EN 61779 / LK-7.41 (in house Methode)
 - Instruction Manual

Tested by :

Aditya Setiaji
(Calibration Engineer)

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