

Dräger CMS (Chip Measurement System)

The world's only Chip Measurement System (CMS) makes spot measurements as easy as 1, 2, 3: insert chip – start measurement – read measurement result on the LCD display. The Dräger CMS combines the advantages of the Dräger-Tubes with those of an optoelectronic analysis system.



Two components define the system: the Analyzer and the substance-specific chip.

SIMPLE TO USE

The Dräger CMS is ready for use after only a brief instruction. It makes no difference which gas or vapour you wish to measure - the instrument is used in the same way every time. The operation is guided by a menu on the display and a single button/switch. The display can be backlit and is available in German, English, French or Spanish. After an automatic system self-test, the Analyzer is powered up and the measurement system is immediately ready for operation. Simply insert the chip, perform the measurement and read the measurement result displayed as a concentration on the screen. At the end of the measurement, the chip is automatically ejected from the instrument, and the Analyzer shuts down. An audible signal sounds after each operating step.

Power is supplied by four standard and easily replaceable batteries which are especially suited to the Analyzer's requirements (see technical data).

The battery capacity allows for more than seven hours of measurement and is, of course, always displayed on the screen.

ACCURATE

The principle of mass current measurement ensures that the instrument remains unaffected by fluctuations in air pressure. Because the chips are calibrated before leaving the factory, there is no need for the user to calibrate the Dräger CMS. Any possible temperature and humidity effects are checked during factory calibration.

The Analyzer is explosion protected and certified in accordance with ATEX (Europe), UL (USA & Canada) and CSA (Canada & USA).

In addition, the system is protected against dust and splash water in accordance with IP54, and is resistant to electro-magnetic waves.



Dräger CMSHighly accurate and easy to use



Dräger CMS Chip Miniaturised Dräger-Tubes

REMOTE-SYSTEM

To allow measurements at places which are difficult to access, a Remote-System is available. This comprises of an additional pump and extension hose, and is connected to the back of the Analyzer.

Because the Remote-System is activated by its own switch, the system can remain attached to the Analyzer. A telescopic probe can also be attached to the Remote-System.



ORDER INFORMATION

| Description | Order no. |
|---|-----------|
| Analyzer set, comprising of: Analyzer with integrated DataRecorder, batteries | 64 05 300 |
| Analyzer Remote (Analyzer with integrated Remote-System) | 83 17 700 |
| Remote-System for measurement in hard to reach places, incl. 3 m hose | 64 05 060 |
| Telescopic probe (1 m) | 83 16 530 |
| Extension hose set (3 m) | 83 17 614 |
| Extension hose set (10 m) | 83 17 613 |

DRÄGER CMS CHIPS¹⁾

| Acetine Acid 2 – 50 ppm 64 0 630 ppm 64 0 68 370 Ammonia 0.2 – 5 ppm 64 00 6550 Ammonia 2 – 50 ppm 64 00 6550 Ammonia 10 – 150 ppm 64 00 6550 Ammonia 10 – 150 ppm 64 00 620 Ammonia 10 – 150 ppm 64 00 620 Ammonia 10 – 2,000 ppm 64 06 6570 Benzene 50 – 2,500 ppb 64 06 600 86 06 00 86 06 00 Benzene 0.5 – 10 ppm 64 06 033 86 06 03 Benzene 10 – 250 ppm 64 06 820 Butadiene 1 – 25 ppm 64 06 840 Carbon Dioxide 200 – 3,000 ppm 64 06 840 Carbon Dioxide 1,000 – 25,000 ppm 64 06 810 Carbon Dioxide 1,000 – 25,000 ppm 64 06 810 Carbon Monoxide 5 – 150 ppm 64 06 810 Carbon Dioxide 1,000 – 2,500 ppm 64 06 810 Carbon Monoxide 5 – 150 ppm 64 06 810 Ethanol 1,000 – 2,500 ppm 64 06 810 Ethylane Culoria 0,2 – 5 ppm 64 06 810 | Description | Measurement range | Order no. |
|--|---------------------------------------|--------------------|---------------|
| Ammonia 0.2 - 5 ppm 64 08 550 Ammonia 2 - 50 ppm 64 06 130 Ammonia 10 - 150 ppm 64 06 020 Ammonia 100 - 2,000 ppm 64 08 600 Benzene 50 - 2,500 ppb 64 08 600 Benzene 0.2 - 10 ppm 64 08 600 Benzene 0.5 - 10 ppm 64 08 600 Benzene 0.5 - 10 ppm 64 08 600 Benzene 10 - 250 ppm 64 08 600 Butadiene 1 - 25 ppm 64 08 620 Carbon Dioxide 200 - 3,000 ppm 64 08 610 Carbon Dioxide 1,000 - 25,000 ppm 64 08 610 Carbon Monoxide 5 - 150 ppm 64 08 010 Carbon Monoxide 5 - 150 ppm 64 08 010 Carbon Monoxide 5 - 150 ppm 64 08 010 Elhanol 100 - 2,500 ppm 64 08 010 Elhanol 100 - 2,500 ppm 64 08 010 Elhydene Oxide 0,2 - 5 ppm 64 08 650 Hydrospania Carl 0,2 - 5 ppm 64 08 650 Hydrospania Carl 0,2 | Acetic Acid | 2 – 50 ppm | 64 06 330 |
| Ammonia 2 - 50 ppm 64 06 130 Ammonia 10 - 150 ppm 64 06 020 Ammonia 100 - 2,000 ppm 64 06 020 Benzene 50 - 2,500 ppb 64 06 600 Benzene 0.2 - 10 ppm 64 06 600 Benzene 0.5 - 10 ppm 64 06 160 Benzene 10 - 250 ppm 64 06 160 Benzene 11 - 25 ppm 64 06 160 Berzene 10 - 250 ppm 64 06 160 Carbon Dioxide 200 - 3,000 ppm 64 06 100 Carbon Dioxide 1,000 - 25,000 ppm 64 06 100 Carbon Dioxide 1,000 - 25,000 ppm 64 06 100 Carbon Dioxide 1,000 - 25,000 ppm 64 06 000 Carbon Monoxide 5 - 150 ppm 64 06 000 Chlorine 0,2 - 10 ppm 64 06 000 Chlorine 0,2 - 10 ppm 64 06 000 Elhylene Oxide 0,4 - 5 ppm 64 06 580 Elhylene Oxide 0,4 - 5 ppm 64 06 580 Elhylene Oxide 0,2 - 5 ppm 64 06 580 Hydrospinic Acid | Acetone | 40 – 600 ppm | 64 06 470 |
| Ammonia 10 - 150 ppm 64 06 020 Ammonia 100 - 2,000 ppm 64 06 570 Benzene 50 - 2,500 ppb 64 06 600 Benzene 0.2 - 10 ppm 64 06 100 Benzene 0.5 - 10 ppm 64 06 160 Benzene 10 - 250 ppm 64 06 280 Butadiene 1 - 250 ppm 64 06 280 Carbon Dioxide 200 - 3,000 ppm 64 06 190 Carbon Dioxide 1,000 - 25,000 ppm 64 06 190 Carbon Dioxide 1 - 20 Vol% 64 06 210 Carbon Dioxide 5 - 150 ppm 64 06 080 Chlorine 0.2 - 10 ppm 64 06 080 Chlorine 0.2 - 10 ppm 64 06 080 Chlorine 0.2 - 500 ppm 64 06 010 Eltylene Oxide 0.4 - 5 ppm 64 06 500 Entylene Oxide 0.4 - 5 ppm 64 06 580 Formaldehyde 0.2 - 5 ppm 64 06 540 Hydrocyanic Acid 2 - 50 ppm 64 06 540 Hydrocyanic Acid 2 - 50 ppm 64 06 100 Hydrocyanic Acid | Ammonia | 0.2 – 5 ppm | 64 06 550 |
| Ammonia 100 – 2,000 ppm 84 08 570 Benzene 50 – 2,500 ppb 64 06 600 Benzene 0.2 – 10 ppm 64 06 600 Benzene 0.5 – 10 ppm 64 06 600 Benzene 10 – 250 ppm 64 06 280 Blatadiene 1 – 25 ppm 64 06 480 Carbon Dioxide 200 – 3,000 ppm 64 06 190 Carbon Dioxide 1,000 – 25,000 ppm 64 06 190 Carbon Dioxide 1 – 20 Vol% 64 06 210 Carbon Dioxide 1 – 20 Vol% 64 06 210 Carbon Monoxide 5 – 150 ppm 64 06 210 Chlorine 0.2 – 10 ppm 64 06 800 Chlorine 0.2 – 10 ppm 64 06 800 Chlorine 0.2 – 5 ppm 64 06 800 Elhylene Oxide 0.4 – 5 ppm 64 06 800 Elhylene Oxide 0.2 – 5 ppm 64 06 800 Hydrocpanic Acid 2 – 50 ppm 64 06 100 Hydrocpan Sulphide 0.2 – 5 ppm 64 06 100 Hydrogen Sulphide 0.2 – 5 ppm 64 06 610 Hydrogen Sul | Ammonia | 2 – 50 ppm | 64 06 130 |
| Benzene 50 - 2,500 ppb 64 06 600 Benzene 0.2 - 10 ppm 64 06 030 Benzene 0.5 - 10 ppm 64 06 130 Benzene 10 - 250 ppm 64 06 180 Benzene 10 - 250 ppm 64 06 480 Benzene 10 - 250 ppm 64 06 460 Carbon Dioxide 200 - 3,000 ppm 64 06 180 Carbon Dioxide 1,000 - 25,000 ppm 64 06 210 Carbon Monoxide 5 - 180 ppm 64 06 201 Carbon Monoxide 5 - 180 ppm 64 06 201 Chlorine 0.2 - 10 ppm 64 06 201 Elhanol 100 - 2,500 ppm 64 06 300 Elhydre Oxide 0.4 - 5 ppm 64 06 800 Formaldehyde 0.2 - 5 ppm 64 06 540 Hydrocyanic Acid 1 - 28 ppm 64 06 100 Hydrochloric Acid 1 - 25 ppm 64 06 100 Hydrochloric Acid 1 - 25 ppm 64 06 100 Hydrogen Provide 0.2 - 2 ppm 64 06 140 Hydrogen Sulphide 0.2 - 5 ppm 64 06 520 Hydrogen Su | Ammonia | 10 – 150 ppm | 64 06 020 |
| Benzene 0.2 - 10 ppm 64 06 100 Benzene 0.5 - 10 ppm 64 06 160 Benzene 10 - 250 ppm 64 06 160 Butadiene 1 - 250 ppm 64 06 280 Carbon Dioxide 200 - 3,000 ppm 64 06 190 Carbon Dioxide 1,000 - 25,000 ppm 64 06 190 Carbon Dioxide 1 - 20 Vol. ** 64 06 210 Carbon Monoxide 5 - 150 ppm 64 06 800 Chlorine 0.2 - 10 ppm 64 06 600 Chlorine 0.2 - 10 ppm 64 06 600 Elhylene Oxide 0.4 - 5 ppm 64 06 630 Elhylene Oxide 0.4 - 5 ppm 64 06 580 Formaldehyde 0.2 - 5 ppm 64 06 580 Hydrocyanic Acid 2 - 50 ppm 64 06 100 Hydrocyanic Acid 2 - 50 ppm 64 06 100 Hydrocyanic Acid 2 - 50 ppm 64 06 100 Hydrogen Poroxide 0.2 - 2 ppm 64 06 640 Hydrogen Sulphide 0.2 - 5 ppm 64 06 640 Hydrogen Sulphide 0.2 - 5 ppm 64 06 650 <t< td=""><td>Ammonia</td><td>100 – 2,000 ppm</td><td>64 06 570</td></t<> | Ammonia | 100 – 2,000 ppm | 64 06 570 |
| Benzene 0.5 − 10 ppm 64 06 160 Benzene 10 − 250 ppm 64 06 280 Butadiene 1 − 25 ppm 64 06 280 Butadiene 1 − 25 ppm 64 06 480 Carbon Dioxide 200 − 3,000 ppm 64 06 190 Carbon Dioxide 1,000 − 25,000 ppm 64 06 070 Carbon Monoxide 5 − 150 ppm 64 06 210 Chiorine 0.2 − 10 ppm 64 06 080 Chiorine 0.2 − 10 ppm 64 06 101 Ethanol 100 − 2,500 ppm 64 06 680 Ethylene Oxide 0.4 − 5 ppm 64 06 580 Formaldehyde 0.2 − 5 ppm 64 06 580 Hydrocylnic Acid 1 − 25 ppm 64 06 580 Hydrocylnic Acid 1 − 25 ppm 64 06 100 Hydrocylnic Acid 1 − 25 ppm 64 06 100 Hydrocylnic Acid 1 − 25 ppm 64 06 100 Hydrogen Sulphide 0.2 − 5 ppm 64 06 100 Hydrogen Sulphide 0.2 − 5 ppm 64 06 100 Hydrogen Sulphide 0.2 − 5 ppm 64 06 650 Hyd | Benzene | 50 – 2,500 ppb | 64 06 600 |
| Benzene 10 − 250 ppm 64 06 280 Butadiene 1 − 25 ppm 64 06 460 Carbon Dioxide 200 − 3,000 ppm 64 06 190 Carbon Dioxide 1,000 − 25,000 ppm 64 06 070 Carbon Monoxide 5 − 150 ppm 64 06 210 Carbon Monoxide 5 − 150 ppm 64 06 080 Chlorine 0.2 − 10 ppm 64 06 010 Ethanol 100 − 2,500 ppm 64 06 870 Ethylene Oxide 0.4 − 5 ppm 64 06 870 Formaldehyde 0.2 − 5 ppm 64 06 870 Hydrocyanic Acid 2 − 50 ppm 64 06 880 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 2 − 500 ppm 64 06 100 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 2 − 50 ppm 64 06 00 | Benzene | 0.2 – 10 ppm | 64 06 030 |
| Butadiene | Benzene | 0.5 – 10 ppm | 64 06 160 |
| Carbon Dioxide 200 − 3,000 ppm 64 06 190 Carbon Dioxide 1,000 − 25,000 ppm 64 06 070 Carbon Dioxide 1 − 20 Vol% 64 06 210 Carbon Monoxide 5 − 150 ppm 64 06 080 Chlorine 0.2 − 10 ppm 64 06 010 Elthanol 100 − 2,500 ppm 64 06 010 Elthylene Oxide 0.4 − 5 ppm 64 06 580 Formaldehyde 0.2 − 5 ppm 64 06 580 Hydrocyloric Acid 2 − 50 ppm 64 06 640 Hydrocyloric Acid 1 − 25 ppm 64 06 100 Hydrocyloric Acid 2 − 50 ppm 64 06 140 Hydrocyloric Acid 2 − 500 ppm 64 06 140 Hydrocyloric Acid 2 − 500 ppm 64 06 140 Hydrocyloric Acid 2 − 50 ppm 64 06 140 Hydrocyloric Acid 2 − 50 ppm 64 06 140 Hydrocyloric Acid 2 − 50 ppm 64 06 140 Hydrocyloric Acid 2 − 50 ppm 64 06 620 Hydrogen Sulphide 0 − 2 − 50 ppm 64 06 620 Hydrogen Sulphide 0 − 500 ppm | Benzene | 10 – 250 ppm | 64 06 280 |
| Carbon Dioxide 200 – 3,000 ppm 64 06 190 Carbon Dioxide 1,000 – 25,000 ppm 64 06 070 Carbon Dioxide 1 – 20 Vol% 64 06 080 Carbon Monoxide 5 – 150 ppm 64 06 080 Chlorine 0.2 – 10 ppm 64 06 010 Ethanol 100 – 2,500 ppm 64 06 010 Ethylene Oxide 0.4 – 5 ppm 64 06 580 Formaldehyde 0.2 – 5 ppm 64 06 640 Hydrocypanic Acid 2 – 50 ppm 64 06 100 Hydrocypanic Acid 1 – 25 ppm 64 06 100 Hydrochloric Acid 1 – 25 ppm 64 06 100 Hydrochloric Acid 20 – 500 ppm 64 06 100 Hydrogen Peroxide 0.2 – 2 ppm 64 06 640 Hydrogen Sulphide 0.2 – 5 ppm 64 06 640 Hydrogen Sulphide 2 – 500 ppm 64 06 650 Hydrogen Sulphide 2 – 500 ppm 64 06 150 Hydrogen Sulphide 20 – 500 ppm 64 06 650 Mercaptan 0.25 – 6 ppm 64 06 150 Mydrogen Sulphide 20 – 500 ppm 64 06 | Butadiene | 1 - 25 ppm | 64 06 460 |
| Carbon Dioxide 1,000 − 25,000 ppm 64 06 070 Carbon Monoxide 1 − 20 Vol% 64 06 210 Carbon Monoxide 5 − 150 ppm 64 06 080 Chlorine 0.2 − 10 ppm 64 06 010 Ethanol 100 − 2,500 ppm 64 06 570 Ethylene Oxide 0.4 − 5 ppm 64 06 580 Formaldehyde 0.2 − 5 ppm 64 06 580 Hydrocyanic Acid 2 − 50 ppm 64 06 100 Hydrocyanic Acid 1 − 25 ppm 64 06 090 Hydrogen Peroxide 0.2 − 2 ppm 64 06 100 Hydrogen Sulphide 0.2 − 5 ppm 64 06 620 Hydrogen Sulphide 0.2 − 5 ppm 64 06 620 Hydrogen Sulphide 2 − 500 ppm 64 06 620 Hydrogen Sulphide 2 − 500 ppm 64 06 620 Hydrogen Sulphide 2 − 500 ppm 64 06 620 Hydrogen Sulphide 2 − 500 ppm 64 06 620 Mercaptan 0.25 − 6 ppm 64 06 620 Mercaptan 0.25 − 6 ppm 64 06 360 Methanol 20 − 500 ppm 64 06 630 | Carbon Dioxide | | 64 06 190 |
| Carbon Monoxide 5 – 150 ppm 64 06 080 Chlorine 0.2 – 10 ppm 64 06 010 Ethanol 100 – 2,500 ppm 64 06 370 Ethylene Oxide 0.4 – 5 ppm 64 06 580 Formaldehyde 0.2 – 5 ppm 64 06 580 Hydrocyloric Acid 1 – 25 ppm 64 06 100 Hydrochloric Acid 1 – 25 ppm 64 06 090 Hydropen Peroxide 0.2 – 5 ppm 64 06 140 Hydrogen Peroxide 0.2 – 5 ppm 64 06 650 Hydrogen Sulphide 0.2 – 5 ppm 64 06 650 Hydrogen Sulphide 20 – 500 ppm 64 06 150 Hydrogen Sulphide 20 – 500 ppm 64 06 150 Hydrogen Sulphide 100 – 2,500 ppm 64 06 650 Hydrogen Sulphide 20 – 500 ppm 64 06 360 Mercaptatan 0.25 – 6 ppm 64 06 360 Methanol 20 – 500 ppm 64 06 380 Methanol 20 – 500 ppm 64 06 380 Mitrous Fumes 0.5 – 25 ppm 64 06 610 Nitrous Fumes 0.5 – 25 ppm 64 06 120 | Carbon Dioxide | 1,000 – 25,000 ppm | 64 06 070 |
| Chlorine 0.2 - 10 ppm 64 06 010 Ethanol 100 - 2,500 ppm 64 06 370 Ethylene Oxide 0.4 - 5 ppm 64 06 580 Formaldehyde 0.2 - 5 ppm 64 06 580 Hydrocyanic Acid 2 - 50 ppm 64 06 100 Hydrocyanic Acid 1 - 25 ppm 64 06 100 Hydrocyen Feroxide 20 - 500 ppm 64 06 400 Hydrogen Peroxide 0.2 - 2 ppm 64 06 440 Hydrogen Sulphide 0.2 - 5 ppm 64 06 6520 Hydrogen Sulphide 2 - 500 ppm 64 06 520 Hydrogen Sulphide 2 - 500 ppm 64 06 520 Hydrogen Sulphide 2 - 500 ppm 64 06 520 Hydrogen Sulphide 20 - 500 ppm 64 06 500 Methanol 20 - 500 ppm 64 06 650 Methanol 20 - 500 ppm 64 06 360 Methylene Chloride 20 - 400 ppm 64 06 360 Methylene Chloride 20 - 400 ppm 64 06 530 Nitrous Fumes 0.5 - 15 ppm 64 06 630 Nitrous Fumes 0.5 - 25 ppm 64 06 620 | Carbon Dioxide | 1 – 20 Vol% | 64 06 210 |
| Chlorine 0.2 - 10 ppm 64 06 010 Ethanol 100 - 2,500 ppm 64 06 370 Ethylene Oxide 0.4 - 5 ppm 64 06 580 Formaldehyde 0.2 - 5 ppm 64 06 580 Hydrocyanic Acid 2 - 50 ppm 64 06 100 Hydrocyloric Acid 1 - 25 ppm 64 06 100 Hydrogen Feroxide 20 - 500 ppm 64 06 140 Hydrogen Feroxide 0.2 - 2 ppm 64 06 440 Hydrogen Sulphide 0.2 - 5 ppm 64 06 620 Hydrogen Sulphide 2 - 50 ppm 64 06 520 Hydrogen Sulphide 2 - 500 ppm 64 06 650 Hydrogen Sulphide 2 - 500 ppm 64 06 520 Hydrogen Sulphide 100 - 2,500 ppm 64 06 650 Hydrogen Sulphide 100 - 2,500 ppm 64 06 650 Methanol 20 - 500 ppm 64 06 6360 Methanol 20 - 500 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 530 Nirous Fures 10 - 200 ppm 64 06 530 <t< td=""><td>Carbon Monoxide</td><td>5 - 150 ppm</td><td>64 06 080</td></t<> | Carbon Monoxide | 5 - 150 ppm | 64 06 080 |
| Ethanol 100 – 2,500 ppm 64 06 370 Ethylene Oxide 0.4 – 5 ppm 64 06 580 Formaldehyde 0.2 – 5 ppm 64 06 540 Hydrocyanic Acid 2 – 50 ppm 64 06 100 Hydrocyanic Acid 1 – 25 ppm 64 06 100 Hydrochloric Acid 1 – 25 ppm 64 06 100 Hydrogen Peroxide 0.2 – 5 ppm 64 06 140 Hydrogen Peroxide 0.2 – 2 ppm 64 06 520 Hydrogen Sulphide 2 – 50 ppm 64 06 520 Hydrogen Sulphide 20 – 500 ppm 64 06 150 Hydrogen Sulphide 20 – 500 ppm 64 06 220 Mercaptan 0.25 – 6 ppm 64 06 220 Mercaptan 0.25 – 6 ppm 64 06 220 Methanol 20 – 500 ppm 64 06 380 Methylene Chloride 20 – 500 ppm 64 06 530 Mittal 0.5 – 25 ppm 64 06 530 Nitrous Fumes 0.5 – 15 ppm 64 06 530 Nitrous Fumes 0.5 – 15 ppm 64 06 630 Nitrous Fumes 10 – 200 ppm 64 06 400 | Chlorine | | 64 06 010 |
| Ethylene Oxide 0.4 - 5 ppm 64 06 580 Formaldehyde 0.2 - 5 ppm 64 06 540 Hydrocyanic Acid 1 - 25 ppm 64 06 100 Hydrochloric Acid 1 - 25 ppm 64 06 100 Hydrochloric Acid 20 - 500 ppm 64 06 140 Hydrogen Peroxide 0.2 - 2 ppm 64 06 440 Hydrogen Sulphide 0.2 - 5 ppm 64 06 520 Hydrogen Sulphide 2 - 500 ppm 64 06 150 Hydrogen Sulphide 100 - 2,500 ppm 64 06 220 Mercaptan 0.25 - 6 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nitrous Fumes 0.5 - 15 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 620 Nitrous Fumes 10 - 200 ppm 64 06 620 Oxygen 1 - 30 Vol% 64 06 620 Oxygen 1 - 30 Vol% 64 06 490 | Ethanol | | 64 06 370 |
| Formaldehyde | Ethylene Oxide | | |
| Hydrocyanic Acid 2 - 50 ppm | | | |
| Hydrochloric Acid | | | |
| Hydrochloric Acid 20 - 500 ppm 64 06 140 Hydrogen Peroxide 0.2 - 2 ppm 64 06 440 Hydrogen Sulphide 0.2 - 5 ppm 64 06 520 Hydrogen Sulphide 20 - 500 ppm 64 06 500 Hydrogen Sulphide 100 - 2,500 ppm 64 06 150 Hydrogen Sulphide 100 - 2,500 ppm 64 06 360 Hydrogen Sulphide 100 - 2,500 ppm 64 06 360 Hydrogen Sulphide 100 - 2,500 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nirogen Dioxide 0.5 - 25 ppm 64 06 630 Nitrous Fumes 0.5 - 15 ppm 64 06 600 Nitrous Fumes 10 - 200 ppm 64 06 406 060 Nitrous Fumes 10 - 200 ppm 64 06 430 Oxygen 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 Oxygen 1 - 30 Vol% 64 06 490 Oxygen 1 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 270 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 400 Phosphine 5 - 500 ppm 64 06 400 Phosphine 5 - 500 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 400 Phosphine 20 - 500 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 400 Phosphine 20 - 500 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 500 Propane | | | |
| Hydrogen Peroxide 0.2 − 2 ppm 64 06 440 Hydrogen Sulphide 0.2 − 5 ppm 64 06 520 Hydrogen Sulphide 2 − 50 ppm 64 06 050 Hydrogen Sulphide 20 − 500 ppm 64 06 150 Hydrogen Sulphide 100 − 2,500 ppm 64 06 220 Mercaptan 0.25 − 6 ppm 64 06 360 Methanol 20 − 500 ppm 64 06 380 Methylene Chloride 20 − 400 ppm 64 06 510 MTBE 10 − 200 ppm 64 06 530 Nitrogen Dioxide 0.5 − 25 ppm 64 06 120 Nitrous Fumes 0.5 − 15 ppm 64 06 060 Nitrous Fumes 10 − 200 ppm 64 06 240 Ozone 25 − 1,000 ppb 64 06 400 60 Nitrous Fumes 10 − 200 ppm 64 06 430 Oxygen 1 − 30 Vol% 64 06 490 Oxygen 1 − 30 Vol% 64 06 490 Oxygen 10 − 300 ppm 64 06 200 Petroleum Hydrocarbons 20 − 500 ppm 64 06 200 Petroleum Hydrocarbons 20 − 500 ppm 64 06 06 00 | | | |
| Hydrogen Sulphide 0.2 - 5 ppm 64 06 520 Hydrogen Sulphide 2 - 50 ppm 64 06 050 Hydrogen Sulphide 20 - 500 ppm 64 06 150 Hydrogen Sulphide 100 - 2,500 ppm 64 06 220 Mercaptan 0.25 - 6 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methanol 20 - 400 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nitrous Fumes 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 600 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 420 Ozygen 1 - 30 Vol% 64 06 490 0-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Phosphine 5 - 500 ppm 64 06 400 | | | |
| Hydrogen Sulphide 2 - 50 ppm 64 06 050 Hydrogen Sulphide 20 - 500 ppm 64 06 150 Hydrogen Sulphide 100 - 2,500 ppm 64 06 220 Mercaptan 0.25 - 6 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nirogen Dioxide 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 480 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Phosphine 0.05 - 2 ppm <t< td=""><td></td><td></td><td></td></t<> | | | |
| Hydrogen Sulphide 20 - 500 ppm 64 06 150 Hydrogen Sulphide 100 - 2,500 ppm 64 06 220 Mercaptan 0.25 - 6 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 Mitrous 10 - 200 ppm 64 06 530 Nirogen Dioxide 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 600 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 480 0-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Phosphine 5 - 500 ppm 64 06 400 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 0.2 - 500 ppm 64 06 400 | <u> </u> | | |
| Hydrogen Sulphide 100 - 2,500 ppm 64 06 220 Mercaptan 0.25 - 6 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nitrous Fumes 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Phospene 0.05 - 2 ppm 64 06 400 20 Phospene 0.05 - 2 ppm 64 06 400 40 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 400 Phosphine 20 - 500 ppm 64 06 400 | | | - |
| Mercaptan 0.25 - 6 ppm 64 06 360 Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nirogen Dioxide 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol. % 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroleroethylene 5 - 500 ppm 64 06 400 200 Phosphine 0.05 - 2 ppm 64 06 400 400 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 406 400 Propanel | | | |
| Methanol 20 - 500 ppm 64 06 380 Methylene Chloride 20 - 400 ppm 64 06 510 MTBE 10 - 200 ppm 64 06 530 Nirogen Dioxide 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroletorethylene 5 - 500 ppm 64 06 400 Phospene 0.05 - 2 ppm 64 06 400 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 400 Phosphine 20 - 500 ppm 64 06 400 Phosphine 20 - 500 ppm 64 06 400 Phosphine 20 - 5,000 ppm 64 06 406 Propane 10 - 2,000 ppm 64 06 406 Sulphur Dioxide </td <td></td> <td></td> <td></td> | | | |
| Methylene Chloride 20 – 400 ppm 64 06 510 MTBE 10 – 200 ppm 64 06 530 Nirogen Dioxide 0.5 – 25 ppm 64 06 120 Nitrous Fumes 0.5 – 15 ppm 64 06 060 Nitrous Fumes 10 – 200 ppm 64 06 6240 Ozone 25 – 1,000 ppb 64 06 430 Oxygen 1 – 30 Vol% 64 06 490 o-Xylene 10 – 300 ppm 64 06 260 Petroleum Hydrocarbons 20 – 500 ppm 64 06 200 Petroleum Hydrocarbons 100 – 3,000 ppm 64 06 200 Petroleur Hydrocarbons 100 – 3,000 ppm 64 06 400 Phospene 0.05 – 2 ppm 64 06 400 40 Phospene 0.05 – 2 ppm 64 06 400 40 Phosphine 0.1 – 2.5 ppm 64 06 400 40 Phosphine 1 – 25 ppm 64 06 400 40 Phosphine 20 – 500 ppm 64 06 400 40 Phosphine 20 – 500 ppm 64 06 406 40 Propane 10 – 2,000 ppm 64 06 406 50 Propane 10 – 2,000 ppm 64 06 60 | | | |
| MTBE 10 - 200 ppm 64 06 530 Nirogen Dioxide 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 200 Petroleotethylene 5 - 500 ppm 64 06 040 Phosphine 0.05 - 2 ppm 64 06 400 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 400 Phosphine 20 - 5000 ppm 64 06 400 Phosphine 20 - 5000 ppm 64 06 400 Phosphine 20 - 5000 ppm 64 06 400 Propane 100 - 2,000 ppm 64 06 420 Phosphine 20 - 5,000 ppm 64 06 400 Propane 100 - 2,000 ppm 64 06 60 64 06 300 | T | | |
| Nirogen Dioxide 0.5 - 25 ppm 64 06 120 Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 400 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 20 - 500 ppm 64 06 420 Phosphine 1 - 25 ppm 64 06 400 Propane 10 - 2,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 500 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 110 Sulphur Dioxi | | | |
| Nitrous Fumes 0.5 - 15 ppm 64 06 060 Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phospene 0.05 - 2 ppm 64 06 400 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 20 - 500 ppm 64 06 420 Phosphine 20 - 5,000 ppm 64 06 420 Phosphine 20 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 310 Sulphur Dioxide 5 - 150 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene <td></td> <td></td> <td>-</td> | | | - |
| Nitrous Fumes 10 - 200 ppm 64 06 240 Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petrolleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phospene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 20 - 5,000 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 310 Sulphur Dioxide 5 - 150 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 660 Toluene | | | |
| Ozone 25 - 1,000 ppb 64 06 430 Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 440 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 400 Phosphine 20 - 500 ppm 64 06 420 Phosphine 20 - 5,000 ppm 64 06 420 Propane 100 - 2,000 ppm 64 06 310 i-Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 180 Trichlorethylene 5 - 100 ppm 64 06 250 Trichloride 0.3 - 10 ppm 64 06 230 Vinyl Chlorid | | | |
| Oxygen 1 - 30 Vol% 64 06 490 o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 300 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 110 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 230 Water Vapou | | | |
| o-Xylene 10 - 300 ppm 64 06 260 Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 560 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 450 | _ | | |
| Petroleum Hydrocarbons 20 - 500 ppm 64 06 200 Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 560 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 250 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Petroleum Hydrocarbons 100 - 3,000 ppm 64 06 270 Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Perchloroethylene 5 - 500 ppm 64 06 040 Phosgene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Phosgene 0.05 - 2 ppm 64 06 340 Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Phosphine 0.1 - 2.5 ppm 64 06 400 Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | · | | |
| Phosphine 1 - 25 ppm 64 06 410 Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Phosphine 20 - 500 ppm 64 06 420 Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Phosphine 200 - 5,000 ppm 64 06 500 Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | · | | |
| Propane 100 - 2,000 ppm 64 06 310 i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| i-Propanol 40 - 1,000 ppm 64 06 390 Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Sulphur Dioxide 0.4 - 10 ppm 64 06 110 Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | - ' | | |
| Sulphur Dioxide 5 - 150 ppm 64 06 180 Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | <u> </u> | | |
| Styrene 2 - 40 ppm 64 06 560 Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | <u> </u> | | |
| Toluene 10 - 300 ppm 64 06 250 Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | - ' | | |
| Trichlorethylene 5 - 100 ppm 64 06 320 Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Vinyl Chloride 0.3 - 10 ppm 64 06 170 Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Vinyl Chloride 10 - 250 ppm 64 06 230 Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| Water Vapour 0.4 - 10 mg/L 64 06 450 | | | |
| | | | |
| Training Chip Simulation 64 06 290 | · · · · · · · · · · · · · · · · · · · | | |
| | Training Chip | Simulation | 64 06 290 |





Dräger CMSSpot measurement at industrial workplaces



Dräger CMS with Remote-System Measurement with extension hoses of up to 10 m in length

TECHNICAL DATA¹⁾

| Measurement range and resolution | Depends on chip type used - please see chip list |
|---|---|
| Typical measurement time | Between 20 sec and 3 min, depending on the concentration of the gas or vapour |
| | and on the type of chip being used |
| | Between 20 sec and 10 min in the case of special hazardous gases |
| Ready for measurement | Immediately |
| Poisoning effects | Not possible |
| Calibration | Not necessary |
| Temperature during operation | 0 to 40 °C |
| Temperature during storage | -20 to +60 °C (Analyzer) |
| | < 25 °C (chips) |
| Air pressure | 700 to 1,100 hPa |
| Humidity | 0 to 95 % relative humidity, non-condensing |
| Recording of measured values | Six-fold optics and light conductor system, remission measurement |
| System diagnosis | Automatic, with microcontroller for all system components |
| Display | LCD, alphanumeric with backlighting |
| Menu languages | English, German, French, Spanish |
| Operating time | Approx. 450 min of measurement |
| Power supply | Ralsten (Energizer) Alkaline LR6 |
| 4 × 1.5 V batteries from the following types: | Duracell MN 1500 LR6 |
| | Rayovac Rechargeable Alkaline AA (only in conjunction with a charger: Rayovac Charger PS1 or PS3) |
| Weight | 730 g (Analyzer with batteries) |
| Dimensions (L × W × H) | 215 mm × 105 mm × 65 mm |
| Approvals | ATEX; II 2G Ex ib II C T4 Gb |
| | UL (USA & Canada) Class 1, Div. 1, Groups A, B, C, D, Temp. Code T4, |
| | CSA (Canada & USA) Class 1, Div. 1, Groups A, B, C, D, Ex ia, Temp. Code T4 |
| Protection class | IP54 dust and splash protection |
| · | |

¹⁾ Subject to alteration

L

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA Moislinger Allee 53–55 23558 Lübeck, Germany

www.draeger.com

SYSTEM CENTERS

P. R. CHINA

Draeger Safety Equipment (China) Co., Ltd. A22 Yu An Rd, B Area, Tianzhu Airport Industrial Zone, Shunyi District, Beijing 101300 Tel +86 10 80 49 80 00 Fax +86 10 80 49 80 05

GERMANY

Dräger Safety AG & Co. KGaA Revalstrasse 1 23560 Lübeck Tel +49 451 882-2794 Fax +49 451 882-4991

FRANCE

Dräger Safety France SAS 3c route de la Fédération, BP 80141 67025 Strasbourg Cedex 1 Tel +33 3 88 40 76 76 Fax +33 3 88 40 76 67

UNITED KINGDOM

Draeger Safety UK Ltd. Blyth Riverside Business Park Blyth, Northumberland NE24 4RG Tel +44 1670 352 891 Fax +44 1670 544 475

USA

Draeger Safety, Inc. 505 Julie Rivers, Suite 150 Sugar Land, TX 77478 Tel +1 281 498 1082 Fax +1 281 498 5190

REGION ASIA PACIFIC

Draeger Safety Asia Pte Ltd. 67 Ayer Rajah Crescent #06-03 Singapore 139950 Tel +65 68 72 92 88 Fax +65 65 12 19 08

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L. Complejo Business Park, V tower, 10th floor Panama City Tel +507 377-9100 Fax +507 377-9130 contactcsa@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA Branch Office P.O. Box 505108 Dubai, United Arab Emirates Tel +971 4 4294 600 Fax +971 4 4294 699 contactuae@draeger.com

Manufacturer:

Dräger Safety AG & Co. KGaA Revalstraße 1 23560 Lübeck, Germany