

DRAEGER

GAS DETECTION SYSTEM

CMS is a system for spot measurement of gases and vapors comprised of an analyzer and chemically specific chips. The system is equipped with an integrated data recorder to record time, date, contaminant, concentration and location code. An optional remote sampling system is available with an external pump for remote sampling in confined spaces and other normally inaccessible locations (3 meter hose).



Ordering Information:

CMS Analyzer with
Data Recorder 6405300

CMS Emergency
Response Kit 4055711

CMS Remote System 6405060

CMS Analyzer with
Data Recorder &
Remote System 8317700

DRAEGER CMS CHIPS₁

Chemical	Range	Order No.
Acetic Acid	2 – 50 ppm	64 06 330
Acetone	40 – 600 ppm	64 06 470
Ammonia	0.2 – 5 ppm	64 06 550
Ammonia	2 – 50 ppm	64 06 130
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 06 030
Benzene	0.5 – 10 ppm	64 06 160
Benzene	10 – 250 ppm	64 06 280
Butadiene	1 – 25 ppm	64 06 460
Carbon Dioxide	200 – 3000 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
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
Hydrochloric Acid	1 – 25 ppm	64 06 090
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 – 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 06 430
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 06 340
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
Training Chip Simulation		64 06 290

1) Subject to alteration

PERFORMANCE DATA

Measuring Range & Resolution	Depends on the chip type
Typical Measuring Time	1 to 2 minutes in the range of the limit values, dependent on the chip type and the concentration of the hazardous substance
Contamination Effects	Not possible
Calibration	Annual Recommendation
Operational Temperature	32 to 104 °F (0 to 40 °C)
Storage Temperature (analyzer)	-4 to 140 °F (-20 to 60 °C)
Storage Temperature (chips)	38-77 °F (3-25 °C)
Atmospheric Pressure	700 to 1,100 hPa (or mbar)
Humidity	0 to 95% relative, not condensed
Determination of the Measurement Value	Optics and light-transfer system reflective measurement
System Diagnostics	Self-performing, microprocessor controlled for all components of the system
Display	LCD, 2 x 16 alphanumeric digits with backlighting
Menu languages	English, German, French, Spanish
Operational Capacity	Approx. 450 min. (on one set of batteries) without remote
Power Source	4 x 1.5V (AA) alkaline batteries CSA & BVS require: Varta – LR 6 4006 Energizer – LR 6 E 91 Panasonic – LR 6 AM 3 AA MN 1500 alkaline/Foil (PMBC)
Weight	1.6 lbs. U.S. (analyzer with batteries) (730 g)
Analyzer Dimensions	8 x 3.6 x 1.7 in. (L x W x H) (205 x 92 x 45 mm)
Approvals	UL: Class I, Div. 1, Groups A, B, C & D, Temp. Code T4. CSA: Class I, Div. 1, Groups A, B, C & D Temp. Code T4. BVS: EEx ib II C T4. MSHA: 2G-4064-0
Protection Class	Dust and water spray protection according to IP54

FIRE PROTECTION SERVICE INC.

FPS-HOUSTON

Ph: 713-924-9600

Fx: 713-923-6272

FPS-NEW ORLEANS

Ph: 504-466-8003

Fx: 504-469-9922

FPS-CORPUS CHRISTI

Ph: 361-289-9102

Fx: 361-289-1421

FPS-USA
sm

Serving the marine and offshore
industries since 1952

sales@fps-usa.com • www.fps-usa.com