

# Polytector G 750



**6-gas multi-gas detector for monitoring and measuring gas hazards.**

**Modular design:** Basic detector, battery pack, sensors, data logger

- Compact and handy, easy to operate
- Gas supply by diffusion and integrated sampling pump
- Threshold alarms, TWA and STEL averages
- Data logger for 1650 data blocks: measurement values of all sensors, date, time
- Battery pack for up to 16 hours continuous operation; can be fit even in EX-areas
- Ex Approval: **EEx ib IIC T5, Function test: IBS/PFG-Nr. 41300598**

## Polytector II G 750 Complete detector

(configured, w/o charger, w/o leather case)

| Description   | No.     |
|---|---------|
| 1. G 750 for oxygen (O <sub>2</sub> ) and combustibles, pos. 9, 11, 12, 41  | 1750015 |
| 2. G 750 for oxygen (O <sub>2</sub> ), 2 year sensor and combustibles, pos. 9, 11, 13, 41   | 1750021 |
| 3. G 750 for oxygen (O <sub>2</sub> ), hydrogen sulfide (H <sub>2</sub> S) and combustibles, pos. 9, 11, 12, 17, 41   | 1750016 |
| 4. G 750 for oxygen (O <sub>2</sub> ), 2 year sensor, hydrogen sulfide (H <sub>2</sub> S) and combustibles, pos. 9, 11, 13, 17, 41  | 1750022 |
| 5. G 750 for carbon dioxide (CO <sub>2</sub> ), oxygen (O <sub>2</sub> ), hydrogen sulfide (H <sub>2</sub> S) and combustibles, pos. 9, 11, 55, 12, 17, 41  | 1750019 |
| 6. G 750 for carbon dioxide (CO <sub>2</sub> ), oxygen (O <sub>2</sub> ), 2 year sensor, hydrogen sulfide (H <sub>2</sub> S) and combustibles, pos. 9, 11, 55, 13, 17, 41                           | 1750023 |
| 7. G 750 for carbon dioxide (CO <sub>2</sub> ), oxygen (O <sub>2</sub> ), hydrogen sulfide (H <sub>2</sub> S), carbon monoxide (CO) and combustibles, pos. 9, 11, 55, 12, 17, 14, 41                | 1750020 |
| 8. G 750 for carbon dioxide (CO <sub>2</sub> ), oxygen (O <sub>2</sub> ), 2 year sensor, hydrogen sulfide (H <sub>2</sub> S), carbon monoxide (CO) and combustibles, pos. 9, 11, 55, 13, 17, 14, 41 | 1750024 |



Sensor-plug possibilities

Option-plugs

G 750 Basic detector



EC1 EC2 EC3 CC IR

List price can be obtained by totaling the list price of each item with the basic detector. You may choose 1oxygen (EC1) and 2 toxic EC sensors (EC2 + EC3), 1 CC and 1 IR sensor.

## Polytector II G 750 Basic detector

| Description  | No.     |
|--|---------|
| 9. G 750 Basic detector incl. pump (0.6 l/min, 120 mbar)     | 1750002 |
| 10. G 750 Basic detector incl. HD pump (0.7 l/min, 240 mbar) | 1750003 |
| 11. G 750 Metal Hydrid Battery pack                          | 1750203 |

## Oxygen - electrochemical sensors (EC 1)

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| Description |                | Full scale |               | Sensor type | No.     |
|-------------|----------------|------------|---------------|-------------|---------|
| 12. Oxygen  | O <sub>2</sub> | 25 Vol %   | 1 year sensor | MK 342-1    | 1750701 |
| 13. Oxygen  | O <sub>2</sub> | 25 Vol %   | 2 year sensor | MK 376-1    | 1750700 |

### Toxic gases - electrochemical sensors (EC 2)

| Description          |                  | Full scale |   | Sensor type | No.     |
|----------------------|------------------|------------|---|-------------|---------|
| 14. Carbon monoxide  | CO               | 500 ppm    | selective                                     | MK 344-1    | 1750710 |
| 15. Carbon monoxide  | CO               | 500 ppm    | plus H <sub>2</sub> S sensitivity             | MK 343-1    | 1750711 |
| 16. Carbon monoxide  | CO               | 500 ppm    | selective, reduced H <sub>2</sub> sensitivity | MK 369-1    | 1750712 |
| 17. Hydrogen sulfide | H <sub>2</sub> S | 50 ppm     | selective                                     | MK 345-2    | 1750713 |
| 18. Hydrogen sulfide | H <sub>2</sub> S | 100 ppm    | plus CO sensitivity                           | MK 343-1    | 1750714 |
| 19. Ammonia          | NH <sub>3</sub>  | 200 ppm    |   | MK 393-1    | 1750715 |
| 20. Ammonia          | NH <sub>3</sub>  | 1000 ppm   |   | MK 399-1    | 1750716 |
| 21. Nitrogen dioxide | NO <sub>2</sub>  | 50 ppm     |   | MK 348-1    | 1750717 |
| 22. Chlorine         | Cl <sub>2</sub>  | 10 ppm     |   | MK 350-1    | 1750718 |
| 23. Sulphur dioxide  | SO <sub>2</sub>  | 20 ppm     |   | MK 346-1    | 1750719 |
| 24. Phosphine        | PH <sub>3</sub>  | 10 ppm     |   | MK 353-1    | 1750720 |
| 25. Hydrogen cyanide | HCN              | 100 ppm    |   | MK 351-1    | 1750721 |
| 26. Silan            | SiH <sub>4</sub> | 20 ppm     |   | MK 377-1    | 1750722 |
| 27. Hydrogen         | H <sub>2</sub>   | 2000 ppm   |   | MK 396-1    | 1750723 |
| 28. Hydrogen         | H <sub>2</sub>   | 2 Vol. %   |   | MK 403-1    | 1750724 |

### Toxic gases - electrochemical sensors (EC 3)

| Description           |                  | Full scale   |   | Sensor type | No.     |
|-----------------------|------------------|--------------|---|-------------|---------|
| 29. Hydrogen sulfide  | H <sub>2</sub> S | 100 ppm      | selective                                     | MK 345-1    | 1750730 |
| 30. Hydrogen sulfide  | H <sub>2</sub> S | 300 ppm      | + CO sensitivity                              | MK 343-2    | 1750731 |
| 31. Carbon monoxide   | CO               | 500 ppm (*1) | selective                                     | MK 344-2    | 1750732 |
| 32. Carbon monoxide   | CO               | 500 ppm (*1) | + H <sub>2</sub> S sensitivity                | MK 343-2    | 1750733 |
| 33. Carbon monoxide   | CO               | 500 ppm (*1) | selective, reduced H <sub>2</sub> sensitivity | MK 369-2    | 1750734 |
| 34. Ammonia           | NH <sub>3</sub>  | 200 ppm      |   | MK 393-2    | 1750735 |
| 35. Nitrogen dioxide  | NO <sub>2</sub>  | 50 ppm       |   | MK 348-2    | 1750736 |
| 36. Nitrogen monoxide | NO               | 100 ppm      |   | MK 347-2    | 1750737 |
| 37. Silan             | SiH <sub>4</sub> | 20 ppm       |   | MK 377-2    | 1750738 |
| 38. Hydrogen          | H <sub>2</sub>   | 2000 ppm     |   | MK 396-2    | 1750739 |
| 39. Hydrogen          | H <sub>2</sub>   | 5000 ppm     |   | MK 402-2    | 1750740 |
| 40. Hydrogen          | H <sub>2</sub>   | 4 Vol. %     |   | MK 403-2    | 1750741 |

(\*1) If detection range of 1000 ppm is needed, please advise when ordering

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## Combustible gases - catalytic combustion (CC) / thermal conductivity

| Description                           |                                | Full scale                            | Sensor type | No.     |
|---------------------------------------|--------------------------------|---------------------------------------|-------------|---------|
| 41. Methane                           | CH <sub>4</sub>                | 100 % LEL                             | MK 201-1    | 1750760 |
| 42. Propane                           | C <sub>3</sub> H <sub>8</sub>  | 100 % LEL                             | MK 201-1    | 1750761 |
| 43. Heptane                           | C <sub>7</sub> H <sub>16</sub> | 100 % LEL                             | MK 201-1    | 1750762 |
| 44. Nonane                            | C <sub>9</sub> H <sub>20</sub> | 100 % LEL                             | MK 201-1    | 1750763 |
| 45. Hydrogen                          | H <sub>2</sub>                 | 100 % LEL                             | MK 201-1    | 1750764 |
| 46. Combustible gases <sup>(*)2</sup> |                                | 100 % LEL                             | MK 201-1    | 1750769 |
| 47. Methane                           | CH <sub>4</sub>                | 100 % LEL + 100 Vol % <sup>(*)3</sup> | MK 202-1    | 1750770 |
| 48. Propane                           | C <sub>3</sub> H <sub>8</sub>  | 100 % LEL + 100 Vol % <sup>(*)3</sup> | MK 202-1    | 1750771 |
| 49. Heptane                           | C <sub>7</sub> H <sub>16</sub> | 100 % LEL + 100 Vol % <sup>(*)3</sup> | MK 202-1    | 1750772 |
| 50. Nonane                            | C <sub>9</sub> H <sub>20</sub> | 100 % LEL + 100 Vol % <sup>(*)3</sup> | MK 202-1    | 1750773 |
| 51. Hydrogen                          | H <sub>2</sub>                 | 100 % LEL + 100 Vol % <sup>(*)3</sup> | MK 202-1    | 1750774 |
| 52. Combustible gases <sup>(*)2</sup> |                                | 100 % LEL + 100 Vol % <sup>(*)3</sup> | MK 202-1    | 1750779 |

(\*)2) additional combustible gases and vapors on request

(\*)3) detection range Vol. % is calibrated on methane

## Carbon dioxide - infrared sensors (IR)

| Description        |                 | Full scale | Sensor type               | No.     |
|--------------------|-----------------|------------|---------------------------|---------|
| 53. Carbon dioxide | CO <sub>2</sub> | 10000 ppm  | MK 200-1                  | 1750754 |
| 54. Carbon dioxide | CO <sub>2</sub> | 5 Vol %    | 2 year sensor<br>MK 200-2 | 1750751 |
| 55. Carbon dioxide | CO <sub>2</sub> | 5 Vol %    | MK 200-1                  | 1750750 |
| 56. Carbon dioxide | CO <sub>2</sub> | 25 Vol %   | MK 200-1                  | 1750752 |
| 57. Carbon dioxide | CO <sub>2</sub> | 70 Vol %   | MK 200-1                  | 1750753 |

## Options

| Description   | No.     |
|---|---------|
| 58. Data logger for storing of measurement values   | 1750230 |
| 59. Software for chart and graph evaluation of measurement                                | 1750233 |
| 60. Interface cable   | 1750232 |
| 61. Earphone  | 1750235 |
| 62. Earphone connection   | 1750236 |
| 63. Vibrating alarm   | 1750231 |
| 64. Data logger set including data logger, software and interface cable, pos.: 58, 59, 60 | 1750234 |

## Accessories

| Description  | No.     |
|--|---------|
| 65. Universal charger 230 V/50Hz (standard/trickle charge) | 1750240 |
| 66. Universal charger 12-24 V (trickle/standard charge)    | 1750241 |
| 67. Universal charger 115 V/60Hz (standard/trickle charge) | 1750242 |

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|   |         |
|---|---------|
| 68. Universal charger for cars (12-24 V) in aluminium transport case                  | 1750243 |
| 69. Plug-in charger 230 V/50 Hz (charging time 12 to 24 hours)                        | 1750244 |
| 70. Spare charging cable for universal charger Polytector                             | 1750246 |
| 71. Leather case with shoulder strap  | 1750247 |
| 72. Leather case with transparent keyboard cover and shoulder strap                   | 1750250 |
| 73. Hip belt as supplement for leather case   | 1750251 |
| 74. Telescopic probe CrNi steel 1.36 m  | 1000205 |
| 75. Telescopic probe CrNi steel 1.92 m  | 1000206 |
| 76. Viton hose, solvent resistant to H <sub>2</sub> S, fuel etc. price per meter:     | 1000217 |
| 77. Special sampling hose 3 m, anti-static, with dust/water filter                    | 1000208 |
| 78. Special sampling hose 3 m, anti-static, with dust/water filter and flow indicator | 1000209 |
| 79. Special sampling hose 6 m, anti-static, with dust/water filter                    | 1000210 |
| 80. Special sampling hose 6 m, anti-static, with dust/water filter and flow indicator | 1000211 |
| 81. Float probe type B  | 1000218 |
| 82. Flow indicators (pack of 1 ea.)   | 1000213 |
| 83. Special dust/water filter (pack of 3 ea. )  | 1000207 |
| 84. Charcoal filter for landfill application  | 1750206 |
| 85. Aluminium transport case for POLYTECTOR and accessories                           | 1600216 |