## PrimaX Series

ATO A_PRIMAX-

| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ | ⑪ | ⑫ | ⑬ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

| Option | Code | Description |
|---|---|---|
| **Gas Transmitter** | | |
| ① | I | PrimaX I Housing option: PM |
| | P | PrimaX P Housing option: AM & AN |
| | IR | PrimaX IR Housing option: AM, AN, SM, SN |
| | * PrimaX I: 2wire transmitter/ PrimaX P: 3wire & 4wire | |
| **Housing Options** | | |
| ② | PM | PrimaX I Plastic M25 |
| | AM | PrimaX P & IR Alum. M25 |
| | AN | PrimaX P & IR Alum. NPT |
| | SM | PrimaX IR St. steel M25 |
| | SN | PrimaX IR St. steel NPT |
| **Approval** | | |
| ③ | ATEX | ATEX |
| | GP | General Purpose Primax I only |
| | RUS | Russia |
| | KAZ | Kazakhstan |
| **Output Option** | | |
| ④ | 1 | 4–20mA — XI & XP |
| | 2 | 4–20mA + HART — XI (not GP), XP & XIR |
| | 3 | 4–20mA + HART + Relay — XP only |
| | 4 | 4–20mA + HART + Relay (isol.) — XP only |
| **Gas Selection** | | |
| ⑤ | 1 | Standard |
| | 2 | Rare |
| | 3 | Exotic |
| **Measuring Range** (See gas code chart) | | |
| ⑥ | P1D | 1 ppm |
| | P5 | 5 ppm |
| | P10 | 10 ppm |
| | P10D | 10 ppm default * |
| | P20 | 20 ppm |
| | P30D | 30 ppm default * |
| | P50 | 50 ppm |
| | P50D | 50 ppm default * |
| | P100 | 100 ppm |
| | P100D | 100 ppm default * |
| | P200D | 200 ppm default* |
| | P500 | 500 ppm |
| | P500D | 500 ppm default * |
| | P1000 | 100 ppm |
| | P1000D | 1000 ppm default * |
| | U50 | 0-50% LEL |
| | U70 | 0-70% LEL |
| | U100 | 0-100% LEL |
| | V10 | 0-10% vol |
| | V25D | 25% vol * |
| **Calibration cert. Lang.** | | |
| ⑦ | C | Customer options |
| | BG | Bulgarian |
| | CZ | Czech |
| | DE | German |
| | EN | English |
| | ES | Spanish |
| | FR | French |
| | IT | Italian |
| | NL | Dutch |
| | PL | Polish |
| | RO | Romanian |
| | RU | Russian |

**To select only, if under 4:**
**Output option, 3 (Relay) or 4 (Relay isol.) has been chosen**

| | | |
|---|---|---|
| **Normally energised alarm relay** | | |
| ⑧ | Y | Yes |
| | N | No |
| **Latch alarm relay** | | |
| ⑨ | Y | Yes |
| | N | No |
| **Alarm delay time** | | |
| ⑩ | Y | Yes |
| | N | No |

| Option | Code | Description | List Price GBP |
|---|---|---|---|
| | | **Normally energised failure relay** | |
| 11 | Y | Yes | |
| | N | No | |
| | | **Failure delay time** | |
| 12 | Y | Yes | |
| | N | No | |
| | | **Disable loop warning** | |
| 13 | Y | Yes | |
| | N | No | |

*Please note that there are restrictions to the options.*

## Gas code selection PrimaX

| Code | Gas | Formula | Category | PrimaX I | PrimaX P | PrimaX IR |
|---|---|---|---|---|---|---|
| A01 | Acetaldehyde | $C_2H_4O$ | Exotic | | 0–100 % LEL | |
| A02 | Acetic acid | $C_2H_4O_2$ | Exotic | | 0–100 % LEL | |
| A03 | Acetic anhydride | $(CH_3CO)_2O$ | Exotic | | 0–100 % LEL | |
| A04 | Acetone | $C_3H_6O$ | rare | | 0–100 % LEL | 0–100 % LEL |
| A05 | Acetylene | $C_2H_2$ | Exotic | | 0–100 % LEL | |
| A06 | Acrylonnitrile | $C_3H_3N$ | Exotic | | 0–100 % LEL | |
| A07 | Allyl Alcohol | $C_3H_6O$ | Exotic | | 0–100 % LEL | 0–100 % LEL |
| B01 | 1.3-Butadiene | $C_4H_6$ | Exotic | | 0–100 % LEL | 0–100 % LEL |
| B02 | 1-Butylene | $C_4H_8$ | Exotic | | 0–100 % LEL | |
| B03 | 2-Butanone | $C_4H_8O$ | Exotic | | 0–100 % LEL | |
| B04 | Benzene | $C_6H_6$ | Exotic | | 0–100 % LEL | |
| B05 | Butylbenzene | $C_{10}H_{14}$ | Exotic | | 0–100 % LEL | |
| B06 | i-Butane | $(CH_3)_3CH$ | rare | | 0–100 % LEL | |
| B07 | i-Butylacetate | $C_6H_{12}O$ | Exotic | | 0–100 % LEL | |
| B08 | i-Butylene | $C_4H_8$ | Exotic | | 0–100 % LEL | |
| B09 | n-Butane | $C_4H_{10}$ | rare | | 0–100 % LEL | 0–100 % LEL |
| B10 | n-Butanol (Butylalcohol) | $C_4H_{10}O_2$ | Exotic | | 0–100 % LEL | |
| B11 | n-Butylacetate | $C_4H_{12}O$ | Exotic | | 0–100 % LEL | 0–100 % LEL |
| C01 | Chlorine | $Cl_2$ | standard | 5 ppm<br>10 ppm | 5 ppm<br>10 ppm | |
| C99 | Carbon Monoxide | CO | standard | 100 ppm<br>200 ppm<br>500 ppm<br>1000 ppm | 100 ppm<br>200 ppm<br>500 ppm<br>1000 ppm | |
| C03 | Cyclohexane | $C_6H_{12}$ | rare | | 0–100 % LEL | |
| C04 | Cyclopentane | $C_5H_{10}$ | rare | | 0–100 % LEL | 0–100 % LEL |
| D01 | 1.4-Dioxane | $C_4H_8O_2$ | Exotic | | 0–100 % LEL | |
| D02 | Diethyl Ether | $C_4H_{10}O$ | Exotic | | 0–100 % LEL | 0–70 % LEL |
| E01 | 1-Ethoxy-2 propanol | $C_5H_{12}O_2$ | Exotic | | 0–100 % LEL | |
| E02 | Ethane | $C_2H_6$ | rare | | 0–100 % LEL | 0–100 % LEL |
| E03 | Ethanol | $C_2H_6O$ | rare | | 0–100 % LEL | 0–100 % LEL |
| E04 | Ethene | $C_2H_4$ | rare | | 0–100 % LEL | |
| E05 | Ethyl benzene | $C_8H_{10}$ | Exotic | | 0–100 % LEL | |
| E06 | Ethyl Acetate | $C_4H_8O_2$ | Exotic | | 0–100 % LEL | 0–100 % LEL |
| E07 | Ethyl acrylate | $C_5H_8O_2$ | Exotic | | 0–100 % LEL | |
| E08 | Ethylene | $C_4H_8O_2$ | standard | | | 0–100 % LEL |
| E09 | Etylen oxide | $C_2H_4O$ | rare | | 0–100 % LEL | |
| G01 | Gasoline 65/95 | | Exotic | | 0–100 % LEL | 0–70 % LEL |
| H01 | Hydrogen | $H_2$ | standard | 1000 ppm | 1000 ppm | |
| H02 | Hydrogen Sulphide | $H_2S$ | standard | 10 ppm<br>20 ppm<br>50 ppm<br>100 ppm | 10 ppm<br>20 ppm<br>50 ppm<br>100 ppm | |
| H03 | Hydrochloric Acid | HCl | rare | 10 ppm<br>20 ppm<br>30 ppm | 10 ppm<br>20 ppm<br>30 ppm | |
| H04 | Hydrogen Cyanide | HCN | rare | 10 ppm<br>20 ppm<br>30 ppm<br>50 ppm | 10 ppm<br>20 ppm<br>30 ppm<br>50 ppm | |
| H05 | Heptane | $C_7H_{16}$ | standard | | | 0–100 % LEL |
| H06 | Hydrogen | $H_2$ | standard | | 0–100 % LEL | |
| H07 | n-Heptane | $C_7H_{16}$ | standard | | 0–100 % LEL | |
| H08 | n-Hexane | $C_6H_{14}$ | standard | | 0–100 % LEL | 0–100 % LEL |

| Code | Gas | Formula | Category | PrimaX I | PrimaX P | PrimaX IR |
|---|---|---|---|---|---|---|
| I01 | Isobutane | $(CH_3)_3CH$ | Exotic | | | 0–70 % LEL |
| I02 | Isobutylacetate | $C_6H_{12}O_2$ | Exotic | | | 0–100 % LEL |
| I03 | Isopropanol | $C_3H_8O$ | Exotic | | | 0–100 % LEL |
| M01 | MEK | $C_4H_8O$ | Exotic | | | 0–70 % LEL |
| M03 | Methane (4.4) | $CH_4$ | standard | | 0–100 % LEL | 0–100 % LEL |
| M04 | Methane (5.0) | $CH_4$ | rare | | 0–100 % LEL | 0–100 % LEL |
| M05 | Methanol | $CH_4O$ | Exotic | | 0–100 % LEL | 0–70 % LEL |
| M06 | Methyl tert-butylether | $C_5H_{12}O$ | Exotic | | 0–100 % LEL | |
| M07 | Isobutylmethylketon (MIBK) | | Exotic | | | 0–100 % LEL |
| N02 | Ammonia | | standard | 50 ppm<br>100 ppm | 50 ppm<br>100 ppm | |
| N03 | $NH_3$ (HC) | $NH_3$ | rare | 500 ppm<br>1000 ppm | 500 ppm<br>1000 ppm<br>0–100 % LEL | |
| N04 | n-Nonane | $C_9H_{20}$ | rare | | 0–100 % LEL | |
| N05 | Nitrogen monoxide | NO | rare | 100 ppm<br>10 ppm<br>20 ppm | 100 ppm<br>10 ppm<br>20 ppm | |
| N06 | Nitrogen dioxide | $NO_2$ | rare | 100 ppm | 100 ppm | |
| N07 | Nonane | $C_9H_{20}$ | rare | | | 0–100 % LEL |
| O01 | Oxygen | $O_2$ | standard | 10 vol. %<br>25 vol. % | 10 vol. %<br>25 vol. % | |
| P01 | 1-Propanol | $C_3H_8O$ | Exotic | | 0–100 % LEL | |
| P02 | 2-Propanol | $C_3H_8O$ | Exotic | | 0–100 % LEL | |
| P03 | n-Pentane | $C_5H_{12}$ | Exotic | | 0–100 % LEL | 0–100 % LEL |
| P05 | Propane (1.7) | $C_3H_8$ | standard | | 0–100 % LEL | 0–100 % LEL |
| P06 | Propane (2.1) | $C_3H_8$ | rare | | 0–100 % LEL | 0–100 % LEL |
| P07 | Propene | $C_3H_6$ | Exotic | | 0–100 % LEL | |
| P08 | Propylene | $C_3H_6$ | rare | | | 0–100 % LEL |
| P09 | Propylene Oxide | $C_3H_6O$ | Exotic | | 0–100 % LEL | 0–100 % LEL |
| S01 | Sulphur Dioxide | $SO_2$ | standard | 10 ppm<br>50 ppm<br>100 ppm | 10 ppm<br>50 ppm<br>100 ppm | |
| T01 | Toluene | $C_7H_8$ | rare | | 0–100 % LEL | 0–50 % LEL |
| V01 | Vinyl chloride | $C_2H_3Cl$ | Exotic | | 0–100 % LEL | |
| X01 | Xylene | $C_8H_{10}$ | Exotic | | 0–100 % LEL | 0–100 % LEL |