

NEW

S4 PULSAR

NDIR Multi-gas analyser



NDIR Multi-gas analyser series for industrial gas applications, combustion research, emissions monitoring and gas purity measurement (with optional oxygen analyser).

Flexible

- Available in 1, 2, 3, 4 or 5 gas channel configurations
- Multiple gas and range options

Easy to Use

- Software suite for use over ethernet or RS232
- Wireless tablet

Accurate

- Rotating gas filter design for minimal cross sensitivity
- Suitable for ultra-low measurement applications



Non-tablet Version
available for system
integrators

SIGNAL
GROUP 

S4 PULSAR

SPECIFICATIONS

RANGE:

CO: 0-10ppm to 0-100%
N2O: 0-10ppm to 0-100%
SO2: 0-100ppm to 0-1%
CO2: 0-100ppm to 0-100%
CH4: 0-1000ppm to 0-100%
HCL: 0-100ppm to 0-1000ppm

RESOLUTION:

1000:1

LINEARITY:

0.5 % of range or 1 % of reading

REPEATABILITY:

1 % of reading

ZERO DRIFT:

1 % FS per week

SPAN DRIFT:

1 % FS per 24 hrs

WARM UP TIME:

Usable in 15 minutes, 1 hour to obtain specifications

FLOW SENSITIVITY:

1 % of range per l/min

SAMPLE FILTER:

10 microns

OUTPUT SIGNAL:

TCP/IP
RS232/AK protocol
0-10 Vdc
Isolated 4-20mA (optional)

WATER (H2O) INTERFERENCE:

<1ppm H2O typical

REMOTE OPERATION:

Full remote software suite for operation and diagnostics

SAMPLE TEMPERATURE:

5°C - 40°C Non-Condensing

POWER REQUIREMENTS:

110/220V 50/60 Hz
24VDC
70-350 Watts depending on number of channels

SAMPLE-WETTED MATERIALS:

316 Stainless steel
PTFE
Calcium Fluoride

WEIGHT:

Max 23 Kg

OPTIONS:

- Wireless Tablet
- USB socket, SD card
- 4-20mA output
- Canbus
- 35 programmable contact closures (can be configured to select cal gas per channel and per range with cal gas value set in instrument memory)

OXYGEN:

- Servo controlled dumb bell detector
Range 0-5 %, 0-10 %, 0-25%
- Accuracy
+/- 0.01 % of reading
- Zero drift
+/- 0.002 % O2 hour
- Tilt effect
0.01 % O2 degree
- Magnetic effect
A mass of soft magnetic material placed anywhere on the enclosure will cause a change in reading of less than +/- 0.1% O2
- Detector noise
Less than 0.005 % O2
- Linearity
Better than 0.1 % O2

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ISO
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