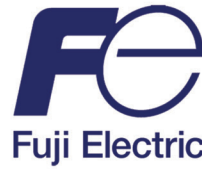




OFFICIAL UK DISTRIBUTORS FOR:



DRM Technic

Suppliers of Gas Analysis Equipment

**ZRE MCERTS Approved
Analyser - Up to 5 Gases**

ZRE MCERTS-APPROVED EXTRACTIVE MULTIGAS ANALYSER

The ZRE is a high performance analyser which measures NO, SO₂, CO₂, CO and CH₄ through the NDIR method and measures O₂ through either an in-built fuel cell or through external zirconia measurement.

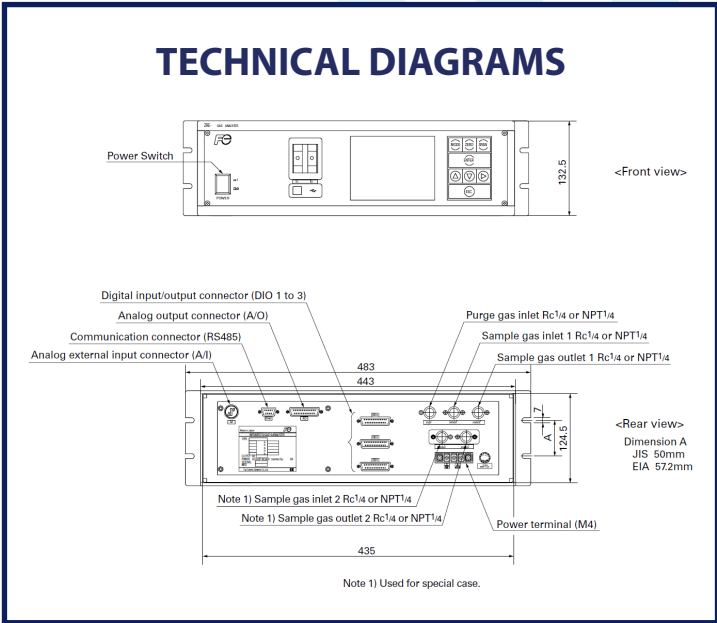
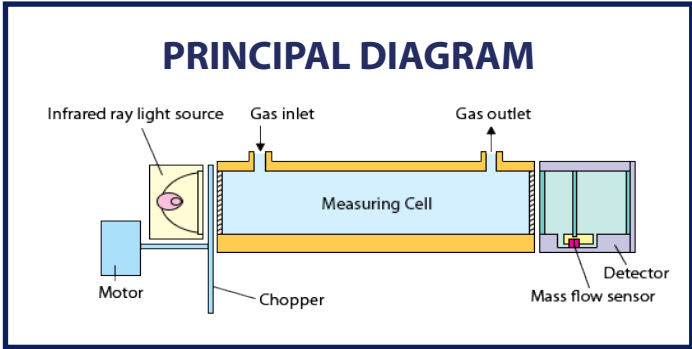


FEATURES

- MCERTS Approved
- Measures Up to Five Components at Once**
- Autocal, Communication Functions and Alarms
- Excellent Stability
- Compact, Easy to Use and Low Maintenance

**MEASURABLE RANGES
(min range ... max range)**

NO	0 - 200 ppm ... 0 - 5000 ppm
SO ₂	0 - 200 ppm ... 0 - 10vol%
CO ₂	0 - 100 ppm ... 0 - 100vol%
CO	0 - 200 ppm ... 0 - 100vol%
CH ₄	0 - 500 ppm ... 0 - 100vol%
O ₂	0 - 5vol% ... 0 - 25vol%



RELATED PRODUCTS

PN	Description
ZRJ	Extractive Multi-Gas Analyser - General Use Model
ZKJ	Extractive Multi-Gas Analyser - Low Concentration Model

For the full specifications, please see overleaf

CONTACT US: DRM Technic, 4 Cherry Orchard, Newcastle-under-Lyme, Staffordshire, UK, ST5 2UB

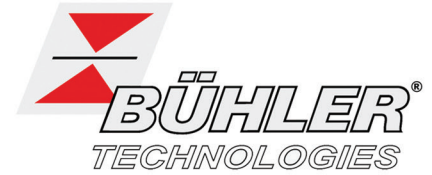
DRM/ZRE/
280916/001

Tel: +44 (0) 1782 638491 | Email: sales@drmtechnic.com | Web: www.drmtechnic.com

DRM/ZRE/
280916/001



OFFICIAL UK DISTRIBUTORS FOR:



DRM Technic

Suppliers of Gas Analysis Equipment

**ZRE MCERTS Approved
Analyser - Up to 5 Gases**

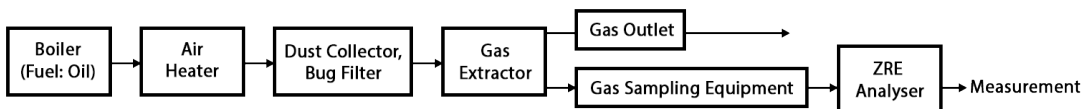
ZRE SPECIFICATIONS

Part No.	ZRE
Measuring Principle	NDIR (single-beam); oxygen sensor; paramagnetic, fuel cell or zirconia type
Repeatability	± 0.5% FS
Linearity	± 1.0% FS
Zero Drift	Within ± 2% FS/week
Span Drift	Within ± 2% FS/week
Response Time (T ₉₀)	> 15 sec (for 90% FS response)
Analogue Output Signal	4 to 20 mA or 0 to 1 VDC
Display	LCD with backlight
External Digital Input (opt.)	Range switching, auto-cal start, output signal hold, average value reset
Contact Output Function (opt.)	1c relay contact (15 points at max.); identification of each component range, instrument failure, calibration error, auto-cal in progress, upper/lower alarm limit for each component, solenoid valve drive for auto-cal
Communication Function (opt.)	RS-485 (MODBUS). Communication details: read/write of each setting, output of measured concentration and instrument status
Sample Gas Flowmeter	Built in
Gas Inlet/Outlet Size	NPT 1/4
Ambient Temperature	- 5 °C ... 45 °C, 90 RH or lower
Power Supply Voltage	100 to 240 V AC, 50/60 Hz, 100 VA
Dimensions Weight	133 x 483 x 418 mm (HxWxD) Approx. 8 kg

Sample Gas Conditions

Flow Rate	0.5 L/min ± 0.2 L/min
Temperature	0 °C ... 50 °C
Pressure	10 kPa or less
Dust	100 µg/Nm ³ or lower (particle size: 0.3 µm or smaller)
Mist	Not allowed
Anti-Corrosive Component	HCl: 1 ppm or less

EXAMPLE APPLICATION - Measurement of Exhaust Gas from a Boiler or Refuse Incinerator



CONTACT US: DRM Technic, 4 Cherry Orchard, Newcastle-under-Lyme, Staffordshire, UK, ST5 2UB