

Quotation No. SEQN/111023-1

To:

Lee Burton
Standard Gas Ltd
16 Berkeley Street
London
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Date: 11/10/2023

Please find the price for the components identified below:

Item 1 – Fixed Syngas Analyser



Professional online gas analysis systems for continuous monitoring of pyrolysis and gasification processes.

Specification

Specifications					
Measurement		CO, CO ₂ , CH ₄ , C _n H _m , O ₂ , H ₂ + BTU index (gas calorific value)			
Calculation		High heating value or low heating value in MJ/m ³ or kcal/m ³ N ₂ (Optional)			
Gas flow		0.7 - 1.2 l/min, external flow meter with needle valve			
Pressure of gas inlet		20 - 100mbar			
Sampling gas requirement		Remove water vapor, dust (<1um) and oil			
Response time		<15s (NDIR)			
Warm-up time		15min			
Interface		RS232 (real time and memory data download software included)			
Output		4 - 20mA (according to the requirement)			
Technology		CO, CO ₂ , CH ₄ , C _n H _m : proprietary dual-beam NDIR detectors O ₂ : industrial electrochemical cell H ₂ : proprietary thermal conductivity detector			
Display		LCD 320 x 240 with back-light function Simultaneous indication of the 7 measures and units Auto-zero function via keyboard interface			
Data logging		Up to 1500 sets of data; logging rate adjustable from 3 to 99 sec Possibility to identify 10 different sites and up to 100 measuring points			
Operating temperature		0 - 50°C			
Relative humidity		0 - 95%			
Ambient air pressure		86 - 108kPa			
Power supply		230V/50Hz			
Dimension		483mm x 373mm x 140mm (W x L x H)			
Weight		± 12Kg			
Gas	Method	Range	Resolution	Precision	Error
CO	NDIR	0-100%	0,01%	≤2% FS	≤2%
CO ₂	NDIR	0-50%	0,01%	≤2% FS	≤2%
CH ₄	NDIR	0-10%	0,01%	≤2% FS	≤2%
H ₂	TCD	0-50%	0,01%	≤3% FS	≤2%
O ₂	ECD	0-25%	0,01%	≤3% FS	≤2%
C _n H _m	NDIR	0-10%	0,01%	≤2% FS	≤2%
Note: Measurement range can be customized by the requirement without extra charge					