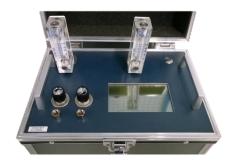
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Rack 19" or Portable Catharometer

CATARC MP



Rack 19" version



Portable version

Main characteristics

- Fast set up
- Great stability
- Fast response time
- Internal flow control for better immunity to external conditions

Main applications

- Gas blending monitoring (N₂, air, ...)
- Inertages
- Heat treatment atmospheres

The analyzer CATARC MP integrates a sensor which works on the principle of thermal conductibility and a very powerful electronics with microprocessor. It is designed for monitoring and checking binary gas blending like H_2/N_2 , He/N_2 , SF_6/air , etc.

The touch sensitive display allows to user to see very quickly all parameters: gas content, analog output range, temperature control, alarms status, and to get access to the menus.

The instrument integrates some data storing facilities (350 data memory as standard and memory extension with SRAM card as option).

It gives a complete traceability on the events that occur on the analyzer: thresholds alarms, error messages, calibration, configuration, etc. All these data are available on a parallel port (for printer connection) and on a digital interface RS232.

The automatic calibration function is very easy to use and gives the following possibilities: calibration values setting, calibration sequence performed manually, at set time or at regular intervals, calibration of one or two points, safety procedure in case of error on the gas used for calibration.



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Technical Characteristics

	Rack 19" version	Portable version	
Measurement principle	Thermal conductivity		
Measurement range	According to application – ex. 0 – 100% H ₂ in N ₂		
Analogue output ranges	Adjustable between 0 and 100%		
Repeatability	Better than ± 0.5% of full scale		
Linearity	Better than ± 2.0% of full scale		
Drift	< 0.1% abs. / week		
Response time	T ₉₅ < 10sec.		
Sensor	Temperature monitored at 45°C		
Pressure	1 bar max.		
Flow gas	0.5 L/min recommended		
Output signals	4 – 20 mA, 0 -1 V, RS232, parallel port		
Power supply	115/230 VAC, 50/60 Hz	Rechargeable battery	
Dimensions (L * H * P)	483 * 133 * 400 mm	260 * 190 * 305 mm	
Weight	10 kg	7 kg	

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Codification

Device			
CATARC	ARCMP400+		
Voltage			_
230 VAC		0	
110 VAC		1	
Analyzer type			
Sensor integrated in Rack instrument			-
Analyzer with remote sensor			SC
Analyzer with remote sensor for Glove box			GB
Portable analyzer			Р
Electronic only: Rack without sensor			RD
Remote sensor only			RS

Separated options				
Power interface box	Alarm relay, management of automatic calibration	ARC00578+		
Internal membrane pump	Only for portable instruments	ОРТРОМРЕ		

Spare parts				

