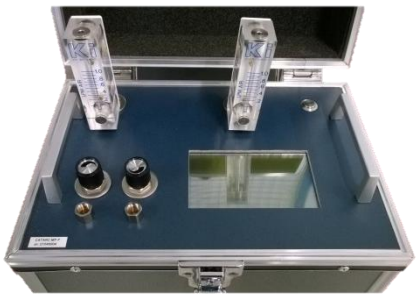
Rack 19” or Portable Catharometer

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 (N_2, 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	ARCMP40	
Voltage		
230 VAC / 110 VAC	0	
Analyzer type		
Sensor integrated in Rack instrument		+
Rack analyzer with remote sensor		-SCR2.2+
Portable analyzer		P+
Rack without sensor		-RD+

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

Spare parts		
Remote sensor holder for	CATARC MP-R	ARCSEE0029

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