

## NEW MINIATURES SERIES CAIRCLIP

DATA SHEET CAIRCLIP H<sub>2</sub>S**Specifications:****Range: 0-1000 ppb**

Limit of detection (*)	10 ppb
Repeatability at zero (*)	± 10 ppb
Repeatability at 80% of range (*)	± 4%
Linearity (*)	<5%
Short term Zero drift (*)	< 4 ppb / 24 h
Short term Span drift (*)	< 0,1 % FS / 24 h
Long term Zero drift (*)	< 8 ppb / 1 month
Long term Span drift (*)	< 2 % FS / 1 month
Rise time (T10-90) (*)	< 90 s (180s if large h% variation)
Fall time (T10-90) (*)	< 90 s (180s if large h% variation)
Effect of Interfering species (*)	CH <sub>3</sub> SH: 95% other VRSC (OCS, C <sub>2</sub> H <sub>6</sub> S, C <sub>2</sub> H <sub>6</sub> S <sub>2</sub> ) : < 100 %
▪ power supply:	5VDC / 200mA (rechargeable by USB via PC or 220V/110V with adaptor)
▪ output:	USB (RS 232 or UART on demand)
▪ operating conditions:	-20 °C to +45°C / 10 to 90% R.H. (without condensation), 1013 mbar +/- 200mbar
▪ dimensions:	diameter: 32mm, length: 62mm
▪ weight:	55 g
▪ Protection	IP 42 ( according IEC60529)
Maximum exposure	50 ppm
Annual exposure limit (1 hour average)	220 000 ppm

*\*According to our operating condition during test in laboratory:*

20°C +/-2°C

50% HR +/- 10%

1013 mbar +/- 5%

**Main options:**

Cairtub: autonomy 21days  
Cairnet: wireless connexion & battery powered by solar panel  
Software: cairsoft, cairmap, cairweb



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