

CURSA

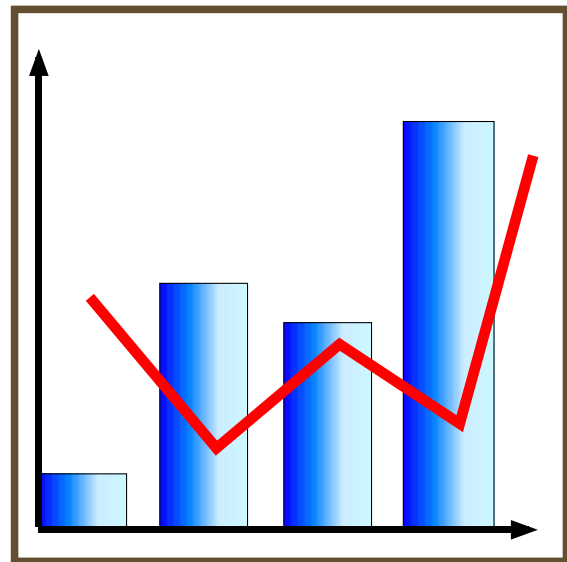
Flowrate analyser for distribution networks

The new flowrate analyzer Cursa is characterised by his great flexibility, his simplicity and his analog input.

Cursa is a genuine diagnostics tool enabling changes in the profiles of flowrates in your water distribution system to be determined rapidly and accurately.

Among other things, Cursa allows flow variations to be monitored, a leak to be highlighted, or the meter to be adapted to the subscriber's consumption. In addition to these flowrate analysis functions, Cursa also has an analog input allowing it to include another parameter such as pressure, temperature or speed. Thanks to this new function, analyses are more complete and hence more accurate.

The new operating software, which operates under Windows, has been designed to make Cursa very easy to use.



Thanks to its clear and ergonomic screens, flowrate analysis becomes easy.

An integrated graph drawing package allows the chosen parameters to be represented as graphs or tables, making reading of recorded data fast and pleasant.



CURSA

Perfectly simple and user friendly

Parameter-setting of **CURSA** for site input

Transfer of data recorded in **CURSA**® to computer

Representation of data in graph for table form

About **CURSA**

Display, creation or modification of a partition

Rapid switching to another language (German, French, Spanish, etc.)

Access to help menus

The screenshot shows a blue interface with a central computer icon and a handheld device. Buttons include 'Préparer', 'Décharger', 'Exploiter', 'Quitter', 'Partition', 'Langues', 'Aide', and 'à propos'. A bar chart is visible in the top right corner.

...allows flowrate and pressure variations to be displayed

Flowrate in m³/hour or litre/hour

Maximum flowrate

Pressure in bar

Maximum pressure

Zone for selection of parameters for display

Minimum flowrate

Minimum pressure

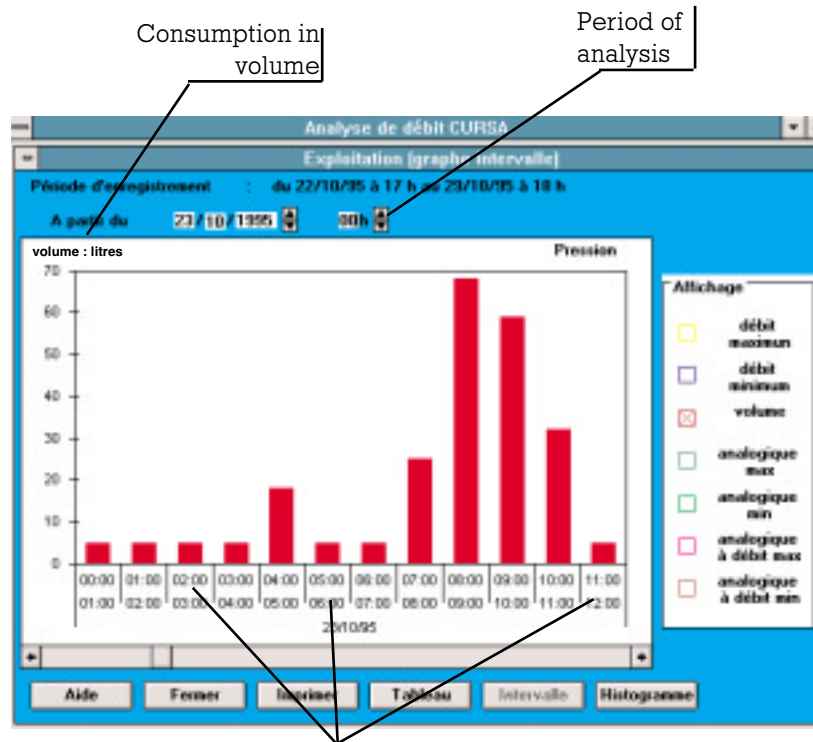
Time in programmable segments (5 or 15 minutes or 1 hour)

Screen printing

The screenshot shows a window titled 'Analyse de débit CURSA' with a sub-window 'Exploitation [graphe intervalle]'. It displays a dual-axis chart: flowrate (yellow bars) and pressure (green line). The x-axis shows time from 17:00 on 22/10/95 to 05:00 on 23/10/95. A legend on the right allows selection of 'débit maximum', 'débit minimum', 'pression max', and 'pression min'. Buttons at the bottom include 'Aide', 'Fermer', 'Imprimer', 'Tableaux', 'Intervalle', and 'Histogrammes'.

... allows a leak in your network to highlighted

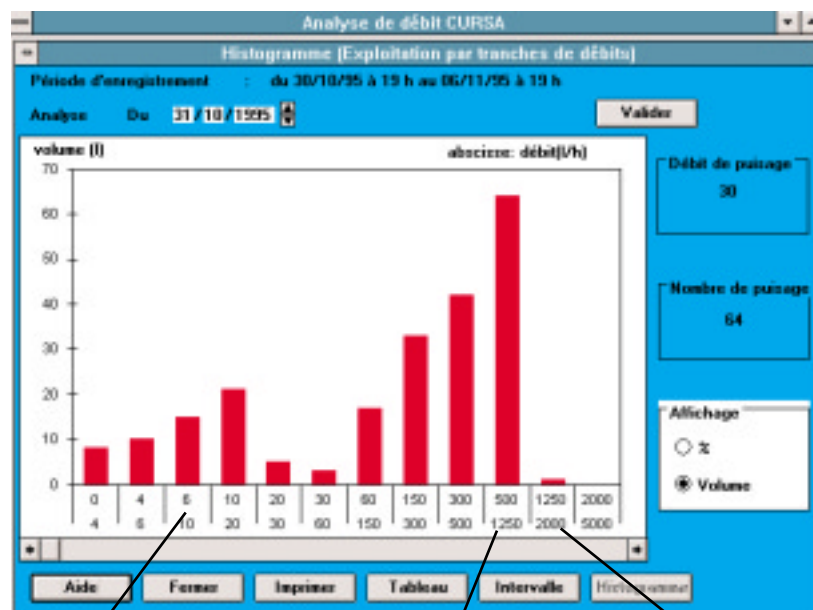
Standard consumption profile of presence of leak in network



Consumption never falls to zero. This leads one to conclude that there is a leak in network

...allows the meter to be adapted to subscriber's consumption

Assessing the suitability of the meter's measurement range and consumption



This histogram suggests...

...that much of the consumption takes place at low flowrates. Volumetric technology, which is particularly sensitive to very low flowrates, would be suitable.

...that most of the consumption takes place at these flowrates. A Qn 1 m³/h would be ideal.

...that at these flowrates, consumption is zero. A Qn 1.5 m³/h is too large.

Main technical characteristics

Functions

- Calculates and records minimum and maximum flowrates with indication of times
- Indicates volumes used each day
- Calculates and records consumption levels in programmable time segments
- Allows automatic graph tracing
- Allows connection of an additional sensor, e.g. : pressure, temperature, pH, etc.
- Calculates and records minimum and maximum pressures with flowrate indications
- Calculates and records consumption levels in programmable flowrate segments
- Indicates number of drawing points.

Characteristics

Mass (with battery)	:	0.390 Kg
Dimensions	:	195 x 100 x 45 mm
Supply	:	9V 0.5 Ah battery
Pulse input (flowrate)	:	from 0.00055 to 450 Hz
Analog input (pressure...)	:	4/20 mA
Display	:	2 alphanumeric lines, liquid crystals. Displays max., min. and instantaneous flowrates

Accuracy

- pulse input : better than 0.78%
- analog input : better than 1%

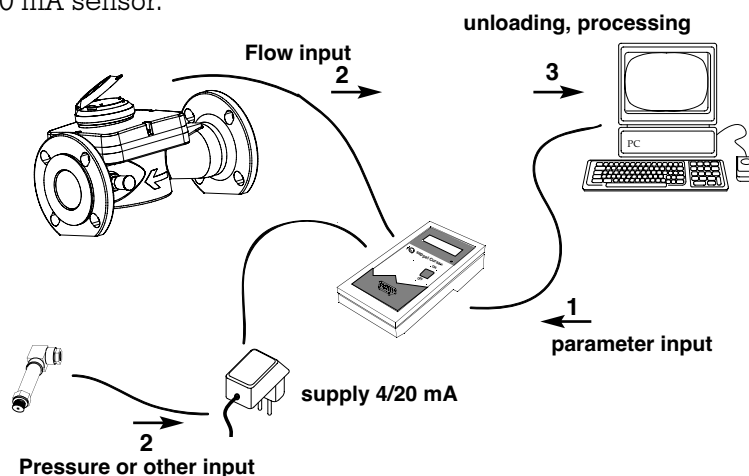
Microcomputer : RS 232 speed 4800 Bauds, IBM PC configuration

Delivery : in case with battery, programming software in English and other languages, technical instructions, connection cable to site and PC link cable.

Agreement Conformity CE : In test
(Electromagnetic compatibility)

Accessories

- site connection cable
- cable for transfer to IBM PC or compatible type microcomputer
 - 9 - pin
 - 25 - pin
- supply for 6 VDC (standard) or 8 VDC (Namur) sensor.
- supply for 4/20 mA sensor.



Distributed by :

If you have any question, please do not hesitate to contact us.



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