

CDI 5000-MEM (Preliminary)

MEMORY OPTION FOR CDI FLOWMETERS

- Maintains a detailed history of flow
- Can be added to an existing meter or included in a remote display
- No setup required
- Download selected data over USB using the supplied software
- One million samples available at each of eight sampling intervals
- Battery backup maintains data and timing when meter not powered
- Also records pressure in pressure-option meters



Whether you choose to look back over days or years, the data are always ready to be transferred to your computer. The meter records continuously into eight banks of memory with space for a million samples in each bank.

Sampling intervals range from one second (12 days of recording) to four minutes (almost eight years). If a million samples is more than you want to deal with, the software will let you choose how much to download.

The hardware consists of a small circuit board mounted on a customized display board. The cover of the meter is machined to allow connection to a micro USB cable, which is provided. The option can be mounted in any 5000-series Rev 3 meter or in a matching summing remote display.

To download data, connect the meter to a computer using the micro-USB cable, then run the software. A small sample of data will immediately be downloaded and displayed, and you will then be given a choice of what additional data to download and process.

Graphs can be combined (e.g. flow and pressure, or values from different meters) and zoomed to examine details of interest. Data can be averaged to remove noise and saved to text files for import into spreadsheet programs or other data-management software. The software can also be used to change the sampling interval and select flow or pressure for each bank of memory. Doing so re-starts recording.

SPECIFICATIONS

Memory capacity

8 banks of 1,048,576 samples each

Download time

44 seconds for one full bank of data (1024 k samples)
3 seconds for a 32 k snapshot

Battery life

With meter not powered: TBD
With meter powered: 10 years

Battery

CR1220

Environmental rating:

NEMA 1. For wet locations, please contact CDI.

LIMITED WARRANTY

CDI warrants solely to the buyer that the Model 5000-MEM memory option shall be free from defects in materials and workmanship, when given normal, proper and intended usage, for three years from the date of purchase. During the warranty period, CDI will repair or replace (at its option) any defective product at no cost to the buyer. The foregoing warranty is in lieu of any other warranty, express or implied, written or oral (including any warranty of merchantability or fitness for a particular purpose). CDI's liability arising out of the manufacture, sale or supplying of the flowmeter and this option, whether based on warranty, contract, tort or otherwise, shall not exceed the actual purchase price paid by the buyer, and in no event shall CDI be liable to anyone for special, incidental or consequential damages.