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This paragraph looks at how to measure an estimate of use of the product's memories. The **non volatile memory** is available to memorise the **QCL** program and has a capacity of @mem_qcl@.
The memory space occupied is equal to the size of the .BIN file generated by Qview. The percentage memory occupied can be viewed in the CPU panel of Qview under “Used CODE memory”, or this information can be obtained from the value of parameter “sizeapp” of the QMOS device.

The non volatile memory available to memorise the **HMI** program has a capacity of @mem_hmi@.
The memory space occupied is equal to the size of the .BIN file generated by Qpaint, whose value (in bytes) is viewed in parameter “memqtp” of the MMIQ2 device.

The **non volatile data memory** used to memorise **retentive variables**, has a capacity of @mem_dat@.
The percentage memory occupied can be viewed in the CPU panel of Qview, under “Used RETENTIVE”, or this information can be obtained from the value of parameter “sizeret” of the QMOS device.

The **volatile data memory** used to memorise **non ritentive variables** has a capacity that depends on various factors (e.g. the HMI and QCL program sizes, the HMI screen being viewed, etc)
The free system general memory, available as volatile data memory, is indicated by parameter “memfree” in the MMIQ2 device.