

## Chapter 2 - Introduction

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The DDCTool is a Windows based commissioning and maintenance tool for single and multiple DDCs (Digital Drive Controller).

The PC where the DDCTool runs is connected optically to one or more DDCs by means of the optic data communications board (SNAT 606 CMT, SNAT 608 CMT or PCMCIA).

The DDCTool program can be used with the following DDC types:

- ACV 700
- DCV 700
- DCF 500 / 700
- DCS 500
- TSU

The program automatically recognises the type of the DDC it is connected to. When the DDCTool is connected to DCS 500, then the DDCTool works as described in the *CMT / DCS 500 User's Manual*. This manual (*DDCTool User's Manual*) describes the operation of the DDCTool when it is connected to one of the DDCs mentioned above, other than DCS 500.

The following functions can be performed by using the DDCTool:

- monitoring of the DDC's actual values in real time (min sample interval is 3 ms) in the graphical and numeric form
- setting of the DDC's parameters and other values
- display of schematic diagrams with real time monitoring of the DDC's actual values
- control of the DDC's data logger operation and display of the sample values collected by the data logger in graphical and numeric form
- saving of the current measurement configuration and the screen's graphical display to a disk file
- local control of the DDC

- display and clear of the contents of the DDC's fault logger
- uploading/downloading of all DDC's parameters; changing their values and saving/restoring them to/from a disk file
- testing of the I/O connections (ACV 700 only)

If there are several DDCs (max. 249) connected to the PC by optical distributors then the following functions are available:

- selection of the DDC that will be the target DDC for the above mentioned functions
- simultaneous graphical monitoring (max. 5 curves) or file recording (max. 250 channels) of actual values from multiple DDCs
- automatic stop of graphical monitoring in an user-defined triggering situation