



In the Power Electronics laboratory De Lorenzo has realized two software that allow for an automatic analysis through PC of some of the subjects already dealt in the previous pages. In particular:

Software	Code	Description
DL 201SW	DCA 201SW	DIODES AND UNCONTROLLED RECTIFIERS (DCA 201.1) SCR AND CONTROLLED RECTIFIERS (DCA201.2)
	DCA 202.1SW	THYRISTORS AND CONTROLLED AC/AC CONVERTERS (DCA 202.1)
DL 205.3SW	DCA 205.3SW	INDUCTION MOTOR DRIVES (DCA205.3)

Software DL 201SW allows for the automatic measurement of voltage and current waveforms in the circuits that are used for ac-dc and ac-ac conversion. The software allows also for the variation of the trigger angle of the control devices through the six pulse control unit.

Software DL 205.3SW allows for the control of the frequency converter by means of the method of the U/f characteristic curve through the control unit DL 2648, that provides the possibility to use any one of the following types of modulation: PWM, VVC, trapezoidal and block modulation.

Code	Description	DCA 201SW	DCA 202.1SW	DCA 205.3SW	Total quantities
DL 2602	SILICON DIODE	1			1
DL 2603	GROUP OF DIODES	1	1		1
DL 2604	SCR	1			1
DL 2605	GROUP OF SCR	1	1		1
DL 2607	TRIAC		1		1
DL 2613	DC POWER SUPPLY	1	1	1	1
DL 2617	SIX PULSE CONTROL UNIT	1	1		1
DL 2626	MAINS TRANSFORMER	1	1		1
DL 2628	SUPER FAST FUSES	2	1		2
DL 2635	LOAD	1	1		1
DL 2636	SOCKETS WITH LAMPS	1			1
DL 2637	STABILIZED POWER SUPPLY	1			1
DL 2642	ISOLATION AMPLIFIER	1	1	1	1
DL 2646	FREQUENCY CONVERTER			1	1
DL 2648	PWM CONTROL UNIT			1	1
DL 2650	PC INTERFACE	1	1	1	1
DL 201SW	POWER ELECTRONICS SOFTWARE	1	1		1
DL 205.3SW	INDUCTION MOTOR CONTROL SOFTWARE			1	1
DL 12B12	BATTERY STACK	1			1
DL 2025DT	TACHOMETER	1			1
DL 2108SAL	SINGLE-PHASE SUPPLY UNIT			1	1
DL 2109T26	POWER METER		1		1
DL 2109T33	TRUE RMS METER	2	2		2
DL 2109T3PV	MOVING IRON VOLTMETER	1	1		1
DL 2109T2A5	MOVING IRON AMMETER	1	1		1
DL 10115A1	SQUIRREL CAGE THREE PHASE MOTOR			1	1
DL 10200A1	SHUNT EXCITATION DC MOTOR	1			1
DL 10250A1	SHUNT EXCITATION DC GENERATOR	1			1
DL 10300P	POWDER BRAKE			1	1
DL 2006D	LOAD CELL			1	1
DL 10300PAC	POWDER BRAKE CONTROL UNIT			1	1
DL 10400	BASE	1		1	1
	PC (not included)	1	1	1	1
DL 2100-3M	FRAME	2	2	2	2
DL 1001-1	WORKING BENCH	1	1	1	1
DL 1155POW	CONNECTING LEADS	1	1	1	1
	Accessory:				
DL 2100TA	STORAGE CABINET	1	1	1	1
	For the Countries where the 3-phase mains supply is different from 380V:				
DL 2600TT	THREE PHASE TRANSFORMER	1	1	1	1