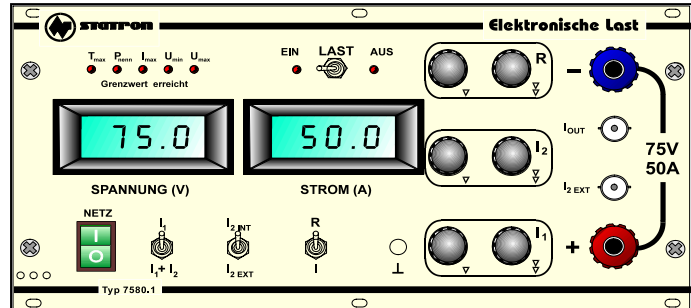




equipment qualities

- compact structure
- triggerable
- load on/off switch
- extensive protective circuits
- cure early load to 800W
- parallel adjustable
- also alternating voltage load with resolution type 3228.0



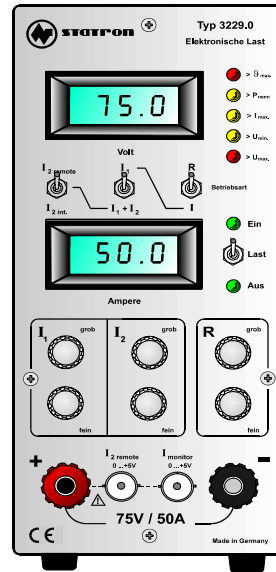
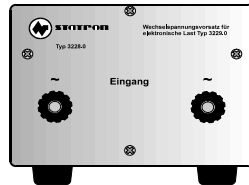
technical parameter:

specification	type	7580.1
DC DC input voltage		1 V ... 75 V
load current		7,0 mA ... 50 A
load resistor		0,05 Ohm ... 7,5 KOhm
edge steepness		$\leq 5\mu s$
analog input control		0 -10 V corresponds 0 - 50 A
resistor analog input control		ca. 10 kOhm
current monitor		50 A entspricht 5 V
resistor current monitor		ca. 2 kOm
adjustment of the load current		wirewound potentiometers
load rating < 60V / > 60V		400 W / 300W
maximum stress < 60V / > 60V		800 W / 600W
display voltage		LCD 3 digit 13 mm
display current		LCD 3 digit 13 mm
dissolution of the voltage display		100 mV +/- 1 Digit
dissolution of the current display		100 mA +/- 1 Digit
cooling		ventilator
overvoltage protection		available
overcurrent protection		available
other		automatic disconnection with overload temperature rise disconnection temperature rise disconnection
operating temperature		0-35°C
max. relative humidity		85% by 35°C
AC input voltage		230V +6 / -10% 50Hz 10 VA



equipment qualities

- compact structure
- triggerable
- load on/off switch
- extensive protective circuits
- cure early load to 800
- parallel adjustable
- also alternating voltage load with resolution type 3228.0



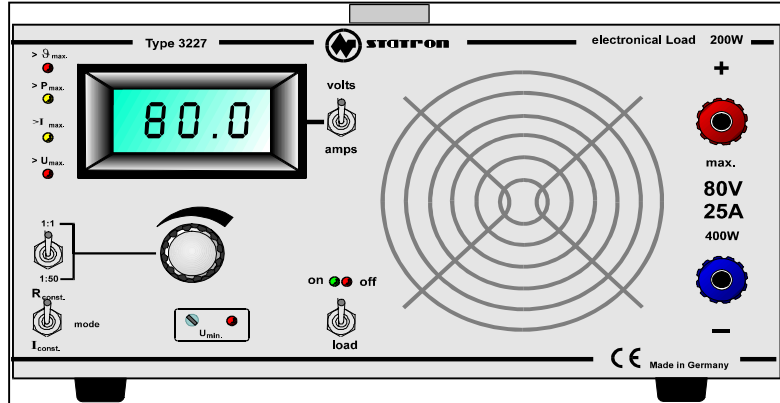
technical parameter:

	specification	type	3228.0	3229.0
DC	DC input voltage		75VDC	2,5V V ... 80
DC	load current		max.50A	7,0 mA ... 50
	load resistor			0,05 Ohm ... 8,0 KOhm
	edge steepness			<= 5µs
	analog input control I2			0 -5 V corresponds 0 - 50 A
	resistor analog input control			ca. 100 kOhm
	current monitor			50 A corresponds 5 V
	resistor current monitor			ca.100 Ohm
	adjustment of the load current			helipots / potentiometer coarse-fine
	load rating < 60V / > 60V			400 W / 300W
	maximum stress < 60V / > 60V			800 W / 600W
	display voltage			LCD panel meter 13mm
	display current			LCD panel meter 13mm
	dissolution of the voltage display			100 mV +/- 1 Digit
	dissolution of the current display			100 mA +/- 1 Digit
	cooling	convection		ventilator
	overvoltage protection			available
	overcurrent protection			available
	other	max.53Veff AC AC resolution for load		automatic disconnection with overload temperature rise disconnection temperature rise disconnection
	operating temperature			0 - 35°C
	max. relative humidity			85% by 35°C
AC	input voltage			230V +6 / -10% 50Hz
	capacity network			10 VA
	dimension WxHxD	122x100x270		122 x 276 x 240 mm
	weight	1,5kg		4,5 kg
	color	blue/silver		corpus RAL 7036, front RAL 7035
	connect input load voltage			apparatuses clamps
	connect analog control			BNC- clamps
AC	testing voltage			EN 61010 ; EN 61558-2-4
	electromagnetic compatibility			EN 61000-6-3 ; EN 61000-6-2



equipment qualities

- compact structure
- load on/off switch
- extensive protective circuits
- cure early load to 200
- also alternating voltage load with resolution type 3228.0



technical parameter:

specification	type	3227.1
DC	DC input voltage	2,5 V ... 80
DC	load current	5 mA ... 25
	control mode	Rconst. And Iconst.
	load resistor	0,1 Ohm ... 16 KOhm
	edge steepness	<= 50µs
	adjustment of the load current	wirewound potentiometer with switch 50:1
	load rating	200 W
	max. load rating	400 W ca. 3min
	display voltage/current	LCD 3½- panel meter switchable
	dissolution of the voltage display	0,1V +/- 1 Digit
	dissolution of the current display	0,1A +/- 1 Digit
	cooling	regulated ventilator
	overvoltage protection	available
	overcurrent protection	available
	other	automatic disconnection with overload temperature rise disconnection temperature rise disconnection inverse-polarity protection
	operating temperature	0-35°C
	max. relative humidity	85% by 35°C
AC	input voltage	230V +6 / -10% 50Hz
	capacity network	5 VA
	dimension WxHxD	245 x 135 x 220 mm
	weight	4,0 kg
	color	RAL 7035
	degree of protection	IP 30
	connect input load voltage	apparatuses clamps
AC	testing voltage	EN 61010 ; EN 61558-2-4
	safety class	I
	electromagnetic compatibility	EN 61000-6-3 ; EN 61000-6-2

**STATRON**

Gerätetechnik GmbH

electronic load**rated power****1600W****equipment qualities**

- compact structure
- triggerable
- load on/off switch
- extensive protective circuits
- cure early load to 1600
- parallel adjustable
- also alternating voltage load

**technical parameter:**

	specification	type	3229.02
DC	DC input voltage		2,5 V ... 80
DC	load current		8 mA ... 100
	load resistor		0,05 Ohm ... 8,0 Kohm (4,0kOhm)
	stability 50A load current		0,1% / 50mA
	edge steepness (10-100%)		<= 30µs
	adjustment of the load current		coil potentiometer
	adjustable resolution		1 : 1000
	load rating < 60V		800W
	> 60V		600W
	max. capacity < 60V		1600W
	>60V		1200W
	display		LCD panelmeter 3½ - digit 13 mm
	definition display voltage		0,1V +/- 1 Digit
	definition display current		0,1A +/- 1 Digit
	cooling		regulated fan
	over voltage protect		existent
	over current protect		existent
	feature		automatic disconnection with overload temperature rise disconnection temperature rise disconnection
	operating temperature		0... +35°C
	max. relative humidity		85% bei 35°C
AC	input voltage		230V +6 / -10% 50Hz
	capacity network		10 VA
	dimension WxHxD		248 x 270 x 280 mm
	weight		9,5 kg
	color		RAL 7036 / RAL 7035
	degree of protection		IP 30
	connect input load voltage		apparatuses clamps
AC	testing voltage		EN 61010 ; EN 61558-2-4
	safety class		I
	electromagnetic compatibility		EN 61000-6-3 ; EN 61000-6-2



equipment qualities

- control mode: Rconst.; Iconst.und Uconst.(Akku-unloaded capacity)
- short-time power 3000W
- intem as 0 Ohm-load deliverable type 3223.2 (0V-80V)
- extensive protective circuits
- slim control system acting time
- high long term stability
- area switch
- limitfunction for voltage and corrent
- analoge galvanical separated interface
- internal function generator
- compact construction (19" compatible with type 6014.0)



technical parameter:

specification	type	3223.1		
DC DC input voltage		1,0 V ... 80 V (2,5V-80V bei max.Laststrom)		
DC load current area 1, 2 und 3		10mA... 50A	20mA... 100A	30mA... 150A
load area		50A	100A	150A
operating methods		I-const, R-constant und U-constant		
nominal capacity/ maximal capacity *		500W/1000W	1000W/2000W	1500W/3000W
load resistor area 1, 2 und 3		50mOhm-8kOhm	25mOhm- 4kOhm	16,7mOhm-2,7kOhm
transient time I-const./R-const.		< 9µs ;	< 15µs	< 20µs
control time I-const./R-const.		< 40µs	< 55µs	< 70µs
drift		+0,5% /41:41-0,1%	+0,1% / -0,15%	
linearity I-const.		< 0,1%		
linearity R-const.		< 0,3%		
adjust solution		0,05% from respective accumulated area		
function generator		triangle-square-pulse generator switchable, separate adjust for time ramp response 5ms bis 1,5 s		
limitfunction		adjustable limits for load current and voltage <Ulim(unloaded capacity for akku)		
display voltage / current		LED 3½ - digit 13 mm green 0,2%+1 Digit; U und I		
display LED		>excess temperature, >nominal capacity, >max.load current, >max.load voltage, >load current limit, <load voltage limit, load aktive, load on/off		
cooling system		cooling fan		
excess temperature		disconnection with automatical activation		
over current protect		limiting I-max. + 2%		
over voltage protect		load disconnection by U -load +5%		
over load protect		disconnect by > double nominal load,with manuelle hand operated activation		
over load > Pnominal		display LED		
reverse voltage protection		super speedy fuse with diodes		

**STATRON**

Gerätetechnik GmbH

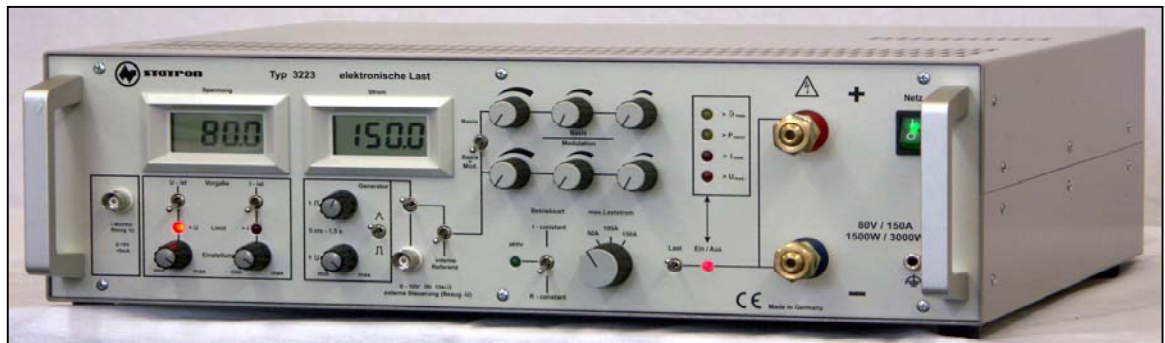
electronical load**rated power****3000W**

	load connector	10 mm parallel pin without head
	connector additional voltage	10 mm parallel pin without head optional
	control input	BNC - connector potential separated, 0-10V Ri= 10kOhm, fg: <16kHz
	monitor output for V / C	BNC - connector potential separated, 0-10V Ri= 10kOhm, fg: <10kHz
	monitor output for current	BNC - connector -U oriented, 0-10V Ri= 2kOhm, fg: <7kHz
AC	input voltage	230V +10% / -10% 48-62Hz rubber connector
	power consumption	50 VA
	operating temperature	+10°C... +35°C
	max. relative humidity	80% bei 35°C
	cooling	regulated fan
	dimension Bx H x T	445 x 134 x 410 mm
	weight ca.	16 kg
	color	RAL 7036 / RAL 7035
	degree of protection	IP 30
AC	testing voltage Veff	EN 61010 ; EN 61558-2-4
	safety class	I
	electromagnetic compatibility	EN 61000-6-3 ; EN 61000-6-2



equipment qualities

- control mode: Rconst.; Iconst.und Uconst.(Akku-unloaded capacity)
- short-time power 3000W
- intem as 0 Ohm-load deliverable type 3223.2 (0V-80V)
- extensive protective circuits
- slim control system acting time
- high long term stability
- area switch
- limitfunction for voltage and corrent
- analoge galvanical separated interface
- internal function generator
- compact construction (19" compatible with type 6014.0)



technical parameter:

specification	type	3223.3		
DC DC input voltage		1,0 V ... 80 V (2,5V-80V bei max.Laststrom)		
DC load current area 1, 2 und 3		10mA... 50A	20mA... 100A	30mA... 150A
load area		50A	100A	150A
operating methods		I-const, R-constant und U-constant		
nominal capacity/ maximal capacity *		500W/1000W	1000W/2000W	1500W/3000W
load resistor area 1, 2 und 3		50mOhm-8kOhm	25mOhm- 4kOhm	16,7mOhm-2,7kOhm
transient time I-const./R-const.		< 10µs ;	< 20µs	< 40µs
control time I-const./R-const.		< 30µs	< 40µs	< 60µs
drift		0,5% / -0,1%	0,1% / -0,15%	
linearity I-const. with Inenn.		< 0,02% +/-10mA		
linearity R-const. with Inenn.		< 0,2% +/-10mA		
adjust solution		0,05% from respective accumulated area		
function generator		triangle-square-pulse generator switchable, separate adjust for time ramp response 5ms bis 1,5 s		
limitfunction		adjustable limits for load current and voltage <Ulim(unloaded capacity for akku)		
display voltage / current		LED 3½ - digit 13 mm green 0,2%+1 Digit; U und I		
display LED		>excess temperature, >nominal capacity, >max.load current, >max.load voltage, >load current limit, <load voltage limit, load aktive, load on/off		
cooling system		cooling fan		
excess temperature		disconnection with automatical activation		
over current protect		limiting I-max. + 2%		
over voltage protect		load disconnection by U -load +5%		
over load protect		disconnect by > double nominal load,with manuelle hand operated activatio		
over load > Pnominal		display LED		
reverse voltage protection		super speedy fuse with diodes		

**STATRON**

Gerätetechnik GmbH

electronical load**rated power****3000W**

	load connector	10 mm parallel pin without head
	connector additional voltage	10 mm parallel pin without head optional
	control input	BNC - connector potential separated, 0-10V Ri= 10kOhm, fg: <16kHz
	monitor output for V / C	BNC - connector potential separated, 0-10V Ri= 10kOhm, fg: <10kHz
	monitor output for current	BNC - connector -U oriented, 0-10V Ri= 2kOhm, fg: <7kHz
AC	input voltage	230V +10% / -10% 48-62Hz rubber connector
	power consumption	50 VA
	operating temperature	+10°C... +35°C
	max. relative humidity	80% bei 35°C
	cooling	regulated fan
	dimension Bx H x T	445 x 134 x 410 mm
	weight ca.	16 kg
	color	RAL 7036 / RAL 7035
	degree of protection	IP 30
AC	testing voltage Veff	3,75kV net input-input load connector; 500V load connector-GND; 1,5kV net-GND
	safety class	I
	manufactured under	DIN EN 6010-6-1; 6010-6-2; 6010-6-3; 6010-6-4, EN 61000-6-2, EN 61000-6-3



equipment qualities

- electronical switching load for AC and DC voltage
- remote socket by front panel
- short-term load 4000W
- adjustable intern with potentiometer
- setting extern BCD- 7Bit



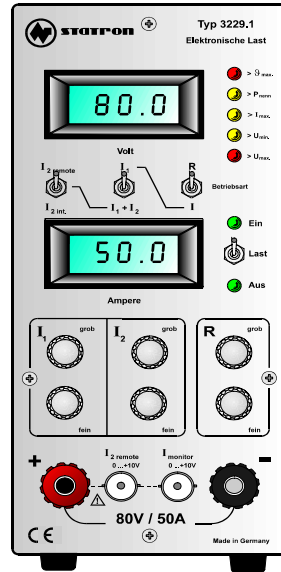
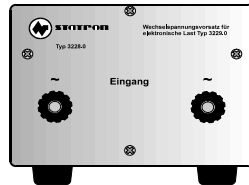
technical parameter:

spezification	type	3224.1
AC load voltage		0 - 260 Veff , DC < 20V
DC load voltage		1 - 300 V
load current		13 A
load resisto		23,15 Ohm - 2200 Ohm in 95 step
nominal capacity		2200 W
maximal capacity		3900W (for ca.10 min. after switch on available)
control mode		AC / DC switching
adjustment intern		step by step with wirewound potentiometers
adjustment extern		BCD 7 Bit , TTL over SubD 15
load on / off		push button
load on / off extern		foot switch
AC display for voltage and current		LCD 3½ - digit 13 mm 0,4%+1 Digit
DC display for voltage and current		LCD 3½ - didit 13 mm 0,2%+1 Digit
LED - display		load on/off ; AC / DC ; excess temperature ; D0
DC reverse protection		diode
excess temperature		switch off , re interlocking with hand
cooling system		regulated fan
connect load input		4mm safty socket
AC input voltage		230V +10% / -10% 50Hz ca 50VA
degree of protection		I / IP30
operating temperature		10°C ..35°C / rel. Feuchte 80%
dimension WxHxD		445 x 134 x 450 mm
weight		ca 16kg
color		RAL 7036 / RAL 7035
testing voltages		EN 61010-1
electromagnetic compatibilit		EN 61000-6-1



equipment qualities

- compact structure
- triggerable
- load on/off switch
- extensive protective circuits
- cure early load to 800
- parallel adjustable
- also alternating voltage load with resolution type 3228.0



technical parameter:

	specification	type	3228.0	3229.1
DC	DC input voltage		75VDC	2,5V V ... 80
DC	load current		max.50A	7,0 mA ... 50
	load resistor			0,05 Ohm ... 8,0 KOhm
	edge steepness			<= 5µs
	analog input control I2			0 -10 V corresponds 0 - 50 A
	resistor analog input control			ca. 100 kOhm
	current monitor			50 A corresponds 10 V
	resistor current monitor			ca.100 Ohm
	adjustment of the load current			helipot / potentiometer coarse-fine
	load rating < 60V / > 60V			400 W / 300W
	maximum stress < 60V / > 60V			800 W / 600W
	display voltage			LCD panel meter 13mm
	display current			LCD panel meter 13mm
	dissolution of the voltage display			100 mV +/- 1 Digit
	dissolution of the current display			100 mA +/- 1 Digit
	cooling		convection	ventilator
	overvoltage protection			available
	overcurrent protection			available
	other		max.53Veff AC AC resolution for load	automatic disconnection with overload temperature rise disconnection temperature rise disconnection
	operating temperature			0 - 35°C
	max. relative humidity			85% by 35°C
AC	input voltage			230V +6 / -10% 50Hz
	capacity network			10 VA
	dimension WxHxD		122x100x270	122 x 276 x 240 mm
	weight		1,5kg	4,5 kg
	color		blue/silver	corpus RAL 7036, front RAL 7035
	connect input load voltage			apparatuses clamps
	connect analog control			BNC- clamps
AC	testing voltage			EN 61010 ; EN 61558-2-4
	electromagnetic compatibility			EN 61000-6-3 ; EN 61000-6-2