

egsespace[®] High Voltage Electronic Load HVEL - 20

Features

- 20kV/20mA
- Max 400W
- SHV20 rear connector
- Online/Offline relay
- Graphical display
- Jog/button control
- Ethernet/SCPI remote control
- Safety Interlock
- Mains 110-240VAC
- Air cooling
- 19" subrack 6U high

Description

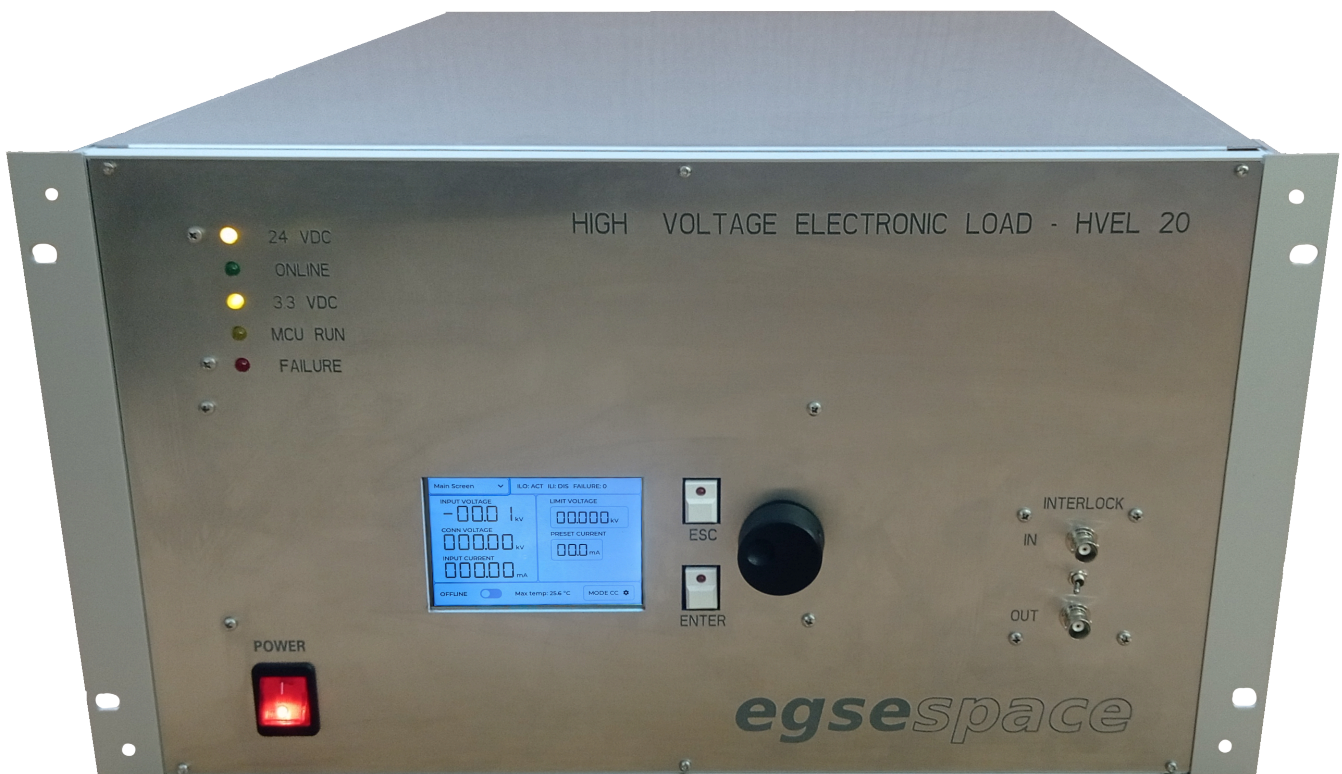
HVEL20 is a unique electronic load operating on high voltages up to 20kV with air cooling.

The electronic load is fully programmable, has local and remote control over ETHERNET. HVEL20 is equipped by online/offline relay, able to measure independently the inlet voltage and voltage on the load in both states.

There is internal and external interlock. Front panel has graphical display, control buttons and jog to select appropriate function. It contains also interlock connectors, mains switch and LED s indicating internal states.

Rear panel consist of inlet air filter and outlet air grid, mains connector with fuse, grounding screw M8, ETHERNET connector and SHV20 inlet connector.

Whole instrument is inside 19" standard sub rack 6U high



HVEL20 Specifications

Load Inlet		
Maximum input voltage	20	kV
Maximum input current	20	mA
Maximum dissipated power	400	W
Measurements		
<i>Inlet voltage</i>		
Range	0 - 20	kV
Precision	0.01	kV
<i>Load voltage</i>		
Range	0 - 20	kV
Precision	0.01	kV
<i>Load current</i>		
Range	0 - 20	mA
Precision	0.01	mA
Interlock		
Loop current	20	mA
Power		
Power supply	100-230	VAC
Power line frequency	50/60	Hz
Power consumption		
Mains connector	IEC C14	
General specifications		
<i>Operating environment</i>		
Operating temperature range	0 to 55	°C
Operating humidity	up to 80% R.H. at 40 °C	
Storage environment	-40°C to 70°C	
Subrack dimensions	260H x 426W x 620D	mm
Subrack weight	19	kg
Safety conforms to	IEC/EN 61010-1	
EMC conforms	EN 61326, CISPR 11	
Remote control		
LXI	10/100Base-T Ethernet (VXI-11 protocol)	
Language	modified SCPI	
Software	PyVISA compatible, available source of remote control panel	



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