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# 3300 Series

# Electronic Load Mainframes

## Description

Six different mainframes are available to house a variety of connecting electronic load modules. The four slot versions are built in to 19" racks enabling them to be mounted in standard cabinets. Retractable feet enable a good viewing angle for desktop use. The 3302C mainframe accepts a single load module and is ideal for the mobile engineer. The load modules simply slide in to the mainframe and are secured by a screw at the front. The user can swap modules out as required making it easy to reconfigure test systems. The advantage of the modular approach is the flexibility offered and the opportunity to expand your electronic load system as needed. A wide variety of both AC & DC electronic load modules are designed to be operated within these mainframes. A comprehensive mix of voltage and current sink ranges are possible. Identical modules can be operated in parallel allowing for higher load currents. Each mainframe has a number of built in store/recall memories to allow common test procedures to be quickly implemented from the front panel. Different load values can be sequenced and stepped with time automatically via the mainframe memory. When using computer control only one GPIB address is needed to control all the load modules in one mainframe. LabVIEW drivers are also available for both RS232 and IEEE 488.2 operation. The loads can also be controlled via a proportional 0-10V (AC or AC+DC) analogue signal. The F-series of mainframes also include USB and LAN interface cards as possibilities for communicating with the installed units.



ELP-3305F



ELP-3302C



ELP-3301A

- Single, Dual and 4 slot rackmounting versions
- Required for housing ELP Load Modules
- Input for tracking external signal
- Front panel memory function
- Sequence settings with time
- Computer interface options
- Labview drivers

## Load Modules Supported

Module Series	Individual ELP Modules	Description of Load Module Series
ELP-3310F	3310F 3311F, 3312F, 3314F, 3315F	Dynamic DC loads with CC, CR, CP, CV, up to 500VDC
ELP-3320	3320, 3321, 3322, 3324, 3325	Static CC loads ranging from 75W - 300W up to 500VDC
ELP-3350	3250, 3251, 3252, 3253	AC loads which can also be used to load DC sources
ELP-3330A	3330A, 3331A, 3332A, 3333A, 3334A	Dual channel dynamic loads with CC, CR & CV modes
ELP-3335A	3335A	Dual 500W & 50W dynamic DC load

Separate summaries are available detailing each series of load module

## Selection & Options Table Overleaf



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# 3300 Series

# Electronic Load Mainframes

## Selection Table

ELP-3300C   ELP-3301A   ELP-3300F   ELP-3305F   ELP-3302F   ELP-3302C

Number of load modules housed

Four

Four

Four

Two

One

One

### Accepted Load Modules

3310F, 3311F, 3312F, 3314F, 3315F

No

No

Yes

Yes

Yes

No

3320, 3321, 3322, 3324, 3325

No

Yes

No

Yes\*\*

Yes\*\*

Yes\*\*

3250, 3251, 3252

Yes\*\*

Yes\*

Yes\*\*

Yes\*\*

Yes\*\*

Yes\*\*

3330A, 3331A, 3332A, 3333A, 3334A

Yes

Yes\*

Yes

Yes

Yes

Yes

3335A

Yes

No

Yes

No

No

No

### Interface Options & Functions

IEEE488.2 interface (listener & talker)

Yes (Opt/LT)

Yes (Listen Only)

Yes (Opt/LT)

Yes (Opt/LT)

Yes (Opt/LT)

Yes (Opt/LT)

RS232 interface

Yes

No

Yes(Opt/RS232)

Yes(Opt/RS232)

Yes(Opt/RS232)

Yes

USB interface

No

No

Yes (Opt/USB)

Yes (Opt/USB)

Yes (Opt/USB)

No

LAN interface

No

No

Yes (Opt/LAN)

Yes (Opt/LAN)

Yes (Opt/LAN)

No

Master/Slave

No

Yes

No

No

No

No

Store/Recall memory

Yes (150 sets)

Yes (5 sets)

Yes (150 sets)

Yes (150 sets)

Yes (150 sets)

Yes (150 sets)

External remote control

Yes

Yes

Yes

Yes

Yes

Yes

### Weight & Dimensions

Weight

9.5kg

9.5kg

9.5kg

7.5kg

5.5kg

5.5kg

Dimensions (W x H x D mm)

19"x4Ux445

19"x4Ux445

19"x4Ux445

269x178x465

150x177x445

150x177x445

\*Front panel operation only, remote control is not available

\*\*3300C mainframe has 30 memory bank, where each bank has 5 states only

## Options Table

Code	Description
/0001.....	1m IEEE488.2 cable
/0002.....	2m IEEE488.2 cable
/0003.....	2m RS232 cable
/9931.....	Remote recall keypad
/BP.....	Blank panel covering a single slot
/LAN.....	LAN interface card (3300F, 3302F, 3305F only)
/LT.....	IEEE488.2 interface with listener and talker functions
/RS.....	RS-232 interface card
/USB.....	USB interface card (3300F, 3302F, 3305F only)

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