

Accuracy is The  
Underlying Strategy

## eFRM – Servo Controlled Electromechanical Load Frames

### DESCRIPTION

Electromechanical load frame with exceptional control and accuracy designed for precise testing. Two-column vertical standing assembly and threaded columns for cross head adjustment. Servo control with closed-loop feedback from any of the eight (8) input channels or real-time calculated function. The eFRM load frames can accommodate a large range of test fixtures. GCTS offers a vast library of apps for specific test standards or customized procedures to meet your unique testing needs.

Several eFRM models available with the following specifications:

- 100 mm stroke
- (4) AD channels with input range from +/- 2.4 mV to +/- 20V
- Accomodates strain gages, load cells, pressure transducers, etc.
- (4) AD channels with +/- 10 V fixed range
- 5 VDC or 10 VDC excitation
- 24 bit resolution
- Simultaneous sampling rate of up to 1 kHz



The following table includes the available models with the particular specifications:

Model	Load capacity (compression) [kN]	Load capacity (tension) [kN]	Maximum speed [mm/min]	Maximum horizontal opening [mm]	Maximum vertical opening [mm]
eFRM-20	20	20	100	279	750
eFRM-50	50	40	75	405	1209
eFRM-90	90	40	50	405	1209
eFRM-20D	20	20	600	279	750

## eFRM Load Frames Optional Test Fixtures



- Servo control with any of 8 input channels
- Servo control of real-time calculated functions

- Load capacities up to 90 kN
- 2 Hz cyclic load frame available