

Servo Valve Amplifier with Ramp & Dither Functions (DIN 43700 format)

Part Number	STE0014
Description	This unit comprises a multiple summing input amplifier, current feedback output amplifier, ramp generator and dither oscillator. A feedback over-limit cutout provides system failure protection. The amplifier interfaces with any servo valve in position, load and velocity control applications. Multi-turn potentiometers and switches on the front panel allow adjustment of gains, servo null, feedback limits and scaling, and dither and ramp rate.
Connections	15 way spring leaf screw connector, with separate earth tag on case
Compatibility	Case style DIN 43700 x 160mm deep behind panel, cutout 92 x 44mm (+0, -1mm)
Linear Gain	Internally link selectable and externally variable 1 – 500 mA / V
Integral Gain	Variable from 0.5 mA / V Sec. Integrator disable input to avoid start - up transients
Multiple Inputs	Current, differential and single-ended voltage (+/- 10V typical)
Output	Up to 150 mA drive, short circuit protected
Ramp Function	Linear ramp adjustable 10mS / V to 1 Sec / V
Dither	Adjustable 0 – 2 V pk-pk triangular wave at 350 Hz
Power Supply	+/-15VDC @ 150mA + load current
Environment	0 – 50 deg.C 20 – 80% RH operating

Features Include

- Full PID Control
- Input Summing Amplifier
- Output Current Drive
- Dither Oscillator
- Ramp Function
- Feedback Over-limit Cutout
- Selectable Current Gain
- Integrator Reset Control
- Output Protection
- 96x48 DIN 43700 steel case
- No rear panel access required
- Full Technical Support

