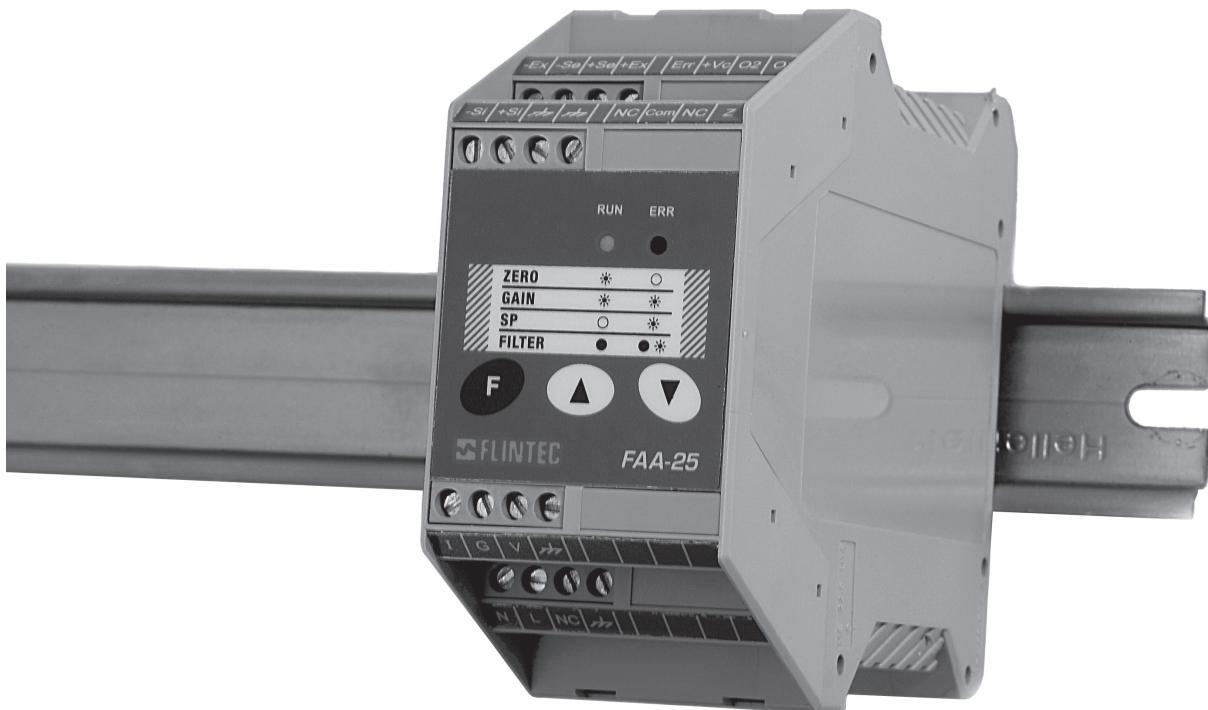


Type FAA-25 Analogue Amplifier



Product Description

The Analogue Amplifier Type FAA-25 is an accurate and economic amplifier, easy to integrate into process control systems.

By its "digital heart", the FAA-25 allows a comfortable calibration and set up with a combination of LED's and push buttons.

Signal output is programmable 0 – 10 V and 4 – 20 mA

An optoisolated interface option offers 2 setpoints, 1 error output and 1 input for zeroing by external command.

Key Features

- Load cell excitation for up to 4 load cells
- Analogue output, current or voltage
- No potentiometer, set up and calibration via LED's and push buttons
- Power supply 230 V AC
- Din-rail mounting

Option

- Interface option for 2 setpoints and 1 input for zeroing and 1 output for error

Specifications

INPUT & A/D CONVERTER

| | |
|----------------------|---|
| Linearity | 0.01 % or better |
| Analogue input range | 0 mV to 20 mV |
| Min. input range | < 1 mV |
| A/D Converter | 24 bit Delta-Sigma ratiometric with integral analog and digital filters |
| Conversion rate | Up to 100 measurements per second |

SCALE CALIBRATION & ANALOGUE OUTPUT

| | |
|-------------------------|---|
| Calibration | Performed with the keys on the FAA-25. There is no any switch or resistor for adjustment in the instrument. |
| Digital Filter | 2 step adjustable digital adaptive filter |
| Weighing Functions | Zeroing via opto-isolated digital input (option board required) |
| D/A Converter | 16 bit |
| Analogue output | Current output 4-20 mA or voltage output 0-10 V |
| Set point | 2 programmable free setpoints (option board required) |
| Optional input / output | 2 opto-isolated outputs for setpoints, 1 opto-isolated output for error and 1 opto-isolated input for zeroing |

LOAD CELLS

| | |
|----------------------|--|
| Excitation | 5 V DC |
| Number of Load Cells | Up to 4 units of 350 Ω or 12 units of 1100 Ω |
| Connection | 4 or 6 wire technique. Cable length 274 m/mm ² for 6 wire connection. |

SETUP & COMMUNICATION

| | |
|-------------|--|
| Front panel | Membrane keypad including 2x LED (Run and Error) and 3x programming keys |
| POWER | |

Power supply

| | |
|---------------------------|-----------------------|
| Power supply | 230 V AC, 50 Hz, 6 VA |
| ENVIRONMENT AND ENCLOSURE | |

Operation Temperature

Between -10 °C and +40 °C at 85% RH max, non-condensing.

Enclosure

Polyamide, for DIN-rail mount, IP20