



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
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POWER

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

Operation Temperature	Between -10 °C and +40 °C at 85% RH max, non-condensing.
Enclosure	Polyamide, for DIN-rail mount, IP20