Type FAA-26 and FAA-27 Analogue Amplifier



IP20

Product Description

The Analogue Amplifiers Type FAA-26 and FAA-27 are accurate and economic amplifiers and are easy to integrate into process control systems.

The FAA-26 and FAA-27 allow comfortable calibration and set up with rotary switches.

The following programmable output possibilities are available:

FAA-26: 4...20 mA or 0...10VDC

FAA-27: 0...20mA, 4...20 mA, 0...10VDC or 0...5VDC.

2 relay contacts for setpoints, 230 VAC or 30 VDC, 1 A can be set via programming rotary switches on the front of the instrument or via PC software xFace over RS232 interface.

Key Features

- Load cell excitation 5 V DC for up to 4 load cells à 350 Ω or 12 Load cells of 1100 Ω.
- 4 Wire load cell connection
- Analogue output 0...20mA, 4...20 mA, 0...10VDC or 0...5VDC selectable.
- 3 step digital filter
- Set up and calibration via rotary switches
- Preadjusted instrument for calibration with PLC
- Power supply 12...28 V DC
- DIN-rail mounting, IP20

Specifications

Typ	FAA-26	FAA-27
A/D CONVERTER		
Analogue input range	0 mV to 20 mV	
Linearity	0.01 % or better	
Digital Filter		3 step adjustable
Min. input per scale interval	0.1 µV	
A/D converter	24 bit Delta-Sigma ratiometric with integral analog and digital filters	
Internal resolution	16 000 000 counts	
Temperatur drift	< 0.007 % FSR / °C	
SCALE CALIBRATION & ANALOGUE OUTPUT		
Calibration	With rotary switches in the front with any test load. Preadjusted and matched instrument for calibration at PLC	With rotary switches in the front with any test load. Fast calibration with 20% Max. Electronic calibration via PC. Preadjusted instrument for calibration at PLC
D/A converter	16 bit very low drift DAC	
Analogue output	Current output 4-20 mA or voltage output for 0-10 VDC	Current output 0-20 mA, 4-20mA, or voltage output for 0-5 VDC, 0-10 VDC
Digital output		2 free programmable contacts for setpoints, 230 VAC or 30 VDC, 1 A.
LOAD CELLS		
Excitation	5 V DC	
Number of load cells	Upto 4x 350 Ω or 12x1100 Ω	
Connection	4 wire technic	
Max. cable length	300 meter	
SETUP & COMMUNICATION		
Front panel	2 rotary switches, 3x status LED	
PC software		RS232 interface for electronic calibration without test weights
POWER SUPPLY		
DC power supply	12...28 V DC, < 200 mA	
ENVIRONMENT AND ENCLOSURE		
Operation temperature	Between -10 °C and +45 °C at 85% RH max, non-condensing / -15 °C and +55 °C non OIML approved	
Enclosure	Polyamide, for DIN-rail mount, protection class IP20	
Dimensions	22,5 x 99 x 114,5 mm	

Dimensions (in mm)



