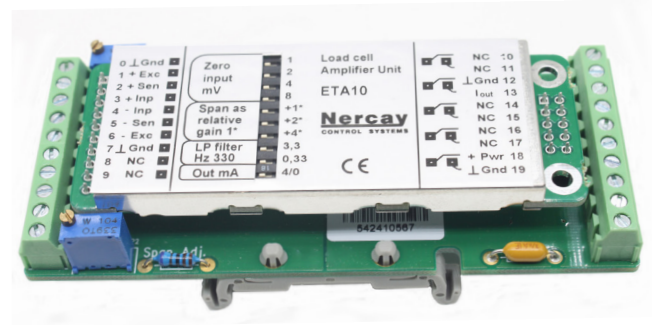


# Analogue amplifier

## Type Series ETA10



### Features:

- Output current 0/4 ... 20 mA
- Optional: Output voltage 10 V across 500 Ω
- Active low-pass filtering from 0.33 Hz to 33 Hz
- All strain gauge sensors can be connected from 350 Ω to 7000 Ω
- Zero point can be set via microswitches
- Optional: Adapter board for mounting on top hat rail

### Applications:

- Industrial weighing technology
- Force measurement in automation systems
- Measurement and control equipment
- Force monitoring on machines

### Technical data:

<b>Output</b>		
- Signal	mA	0/4 ... 20
- Option	V	0 ... 10
- Accuracy	%	0.01
- Burden	Ω	Output voltage: > 500 Output current: < 500
<b>Input</b>		
- Signal	mV	-2 ... 0 ... +23 mV; 4-wire
- Sensor supply	V DC	10 V DC, Max. 30 mA
- Limit frequency	Hz	0,33, 3,3, 33 Hz, selectable
<b>Setting</b>		
- Zero point		±65%, from 0 mV to +15mV in 1-mV-steps for 0 or 4 mA output signal; in case of adapter board with potentiometers, continuous adjustment in 8 steps:
- Amplification		1 = ±20 mV Input / 20 mA Output to 8 = ±2.5 mV Input / 20 mA Output; in case of adapter board with potentiometers, continuous adjustment
Power requirement	V DC	12 ... 24, <80 mA, not electrolytically isolated
Nominal temperature range	°C	-10 ... +40
Service temperature range	°C	-10 ... +40
Storage temperature range	°C	-20 ... +50
Temperature effect	mV/V	2 ± 0.1%
- Zero point		0,05% / 10 K
- Measuring span		0,05% / 10 K
Noise emission		acc. to EN 61326
Noise immunity		acc. to EN 61326
Electrical connection		screw terminals
Protection according EN 60 529		IP40

**Dimensions:**

