Industrial Amplifiers – Model 854

- DC voltage amplifier
- Stable supply voltage
- High-precision signals
- Suitable for permanent installation
- Robust, for industrial use
- For sensors based on strain gauge technology, with bridge resistance of 100 Ω - 2000 Ω

The high-precise DC voltage amplifier of the model series 854 is suitable for industrial use and delivers strain proportional signals. First of all a stable supply voltage for the excitation of a resistance based sensor is created on the basis of a 24V DC or 230V AC power input. As measuring unit all TesT sensors are suitable. The emerging signals will be amplified and can be analysed and processed in the next step, for example by evaluation electronics as the TesT model 813.

Model 854	
Supply voltage to sensor	10V
Linearity error	≤ ± 0,05%
Bridge resistance	≥ 80Ω
Input resistance	≥ 1MΩ
Upper limit frequency	< 100 Hz
Connection of the sensor	Binder connector, 12-pole
Zero point / Tare adjustment	internally settable

Versions of the model 854:	
1) Power supply:	24V DC (Connection via terminal block, delivery without cable) or
	230V AC ~ 50Hz, (Delivery incl. cable, with two-pin earthed plug)
2) Connection:	Terminal block or
(of sensor and Output signal)	Binder conncetions or
	Lemo connections (waterproof)
3) Analogue Output signal:	0 - 5V or
	0 - 10V or
	0 - 20mA or
	4 - 20mA (Live Zero)

TesT Deutschland: Helena-Rubinstein-Straße 4 | 40699 Erkrath | Fon: +49 211 2099030 | Fax: +49 211 209903201 | test@test-gmbh.com | www.test-gmbh.com
TesT Schweiz: Bösch 63 | 6331 Hünenberg | Fon: +41 41 7856010 | Fax: +41 41 7856015 | test@test-ag.ch | www.test-ag.ch

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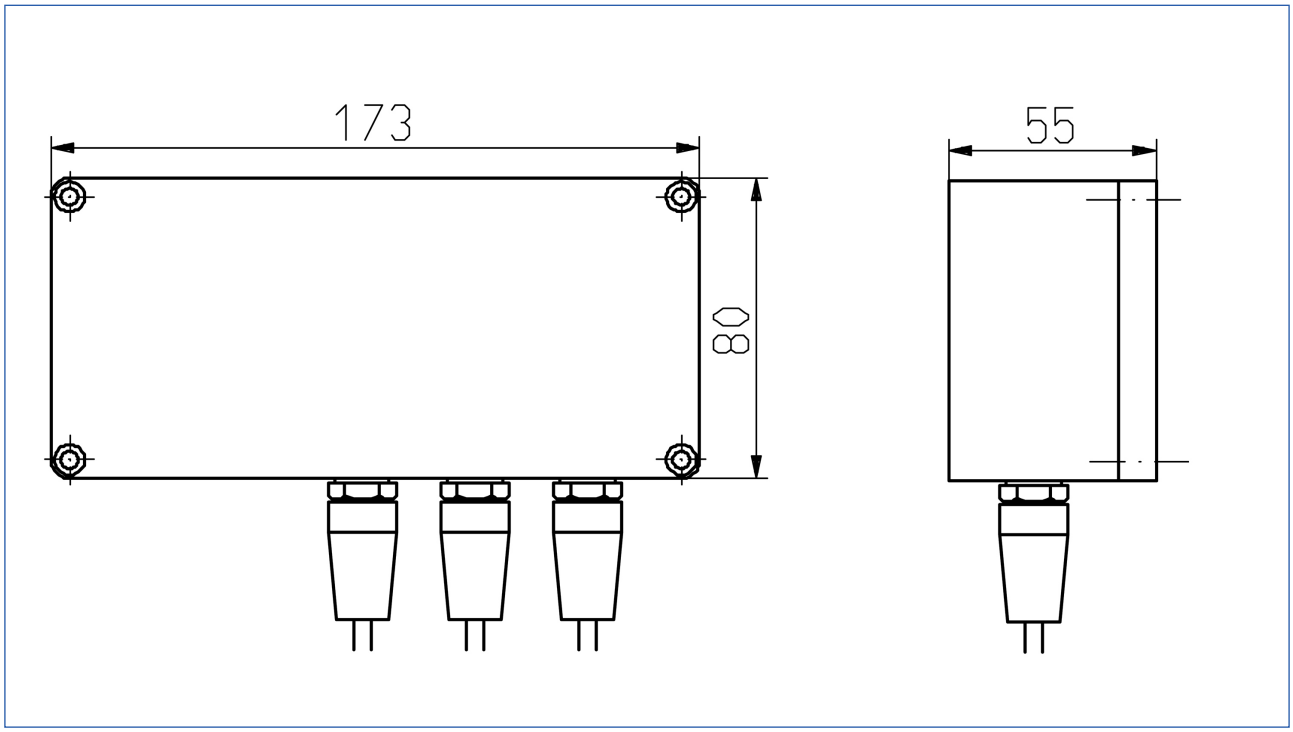

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