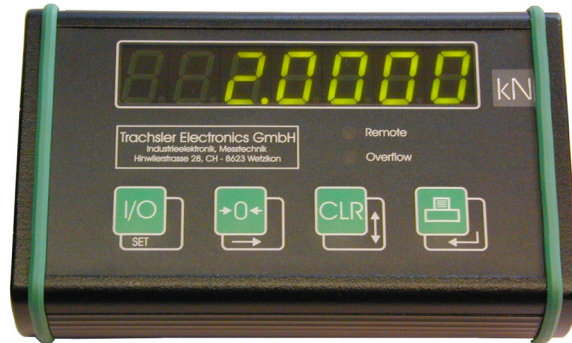




# Amplifier A05U

with USB 2.0 Interface



## Specifications :

Accuracy class		0.01
Bridge excitation voltage DC	V	5
Connectable Sensors DMS Fullbridge Including sense technology	Ohm	30 ... 1000
Maximum cable length	m	25
Sensor connection		DB15 Pin
Measuring range / Bridge alignment range	mV/V	+/-7mV/V
AD converter type		Sigma-Delta ( $\Sigma$ - $\Delta$ )
Internal resolution up to	bit	24
User Scaling		2 ... 11 point, or polynomial of degree 3, with 4 coefficients
Available number of parameter sets		5pcs.
Digital filter		Notch - Filter (depended from sample rate)
Internal Sample range	Hz	0.625 ... 4800
Data transmission scaled with an enabled output channel	Hz	0.625 ... 300
* Linearity deviation :	%	<0.004
* Temperature effect per K zero point measuring sensitivity	%	after 30min operating durations <0.005 <0.0025
Operating temp. range	°C	-10 ... +40
Peak value memory		2 pieces per channel (user scaled)
Limit values (in the measured value status)		16 pieces definable
Supply voltage DC	V	6.5 ... 13.5V
max. voltage ripple	V	± 200mV
Current consumption		< 350mA
Interface		USB 2.0
IP Code		IP 54
Dimensions [L * W * H]	mm	135 * 85 * 35
Weight	kg	< 0.5

\* 3mV/V calibrated, 2.5Hz sample rate