



NORDIC TRANSDUCER

LAB 202.1

Load cell Analog Board

- Two wire loop powered load cell amplifier.
- Can drive one 350 Ohm load cell.
- Very small physical size.
- Trim pots for fine adjustment of span and zero.
- Robust IP67 housing



1:1

Measuring range, minimum gain ^{Note1}	mV/V	0 to 3.1
Measuring range, maximum gain ^{Note1}	mV/V	0 to 0.9
Filter cut-off frequency (-3dB)	Hz	Approx. 10
Bridge excitation voltage	V _{DC}	2.5
Maximum bridge excitation current	mA	8
Linearity (relative to full scale)	%	<±0.01%
Temperature effect on zero (relative to full scale)	%/10 K	±0.1 (Typical)
Temperature effect on span	%/10 K	±0.05 (Typical)
Current output	mA	4 to 20
Supply voltage	V _{DC}	12 to 30
Power consumption (including one 350Ω load cell)	mW	<50
Operating temperature range	°C	-15 to +55
Storage temperature range	°C	-30 to +70
Dimensions (D x L)	mm	16 x 90
Weight	g	40
Protection		IP67

Note1: The measuring range is set with a fixed resistor soldered into the circuit

