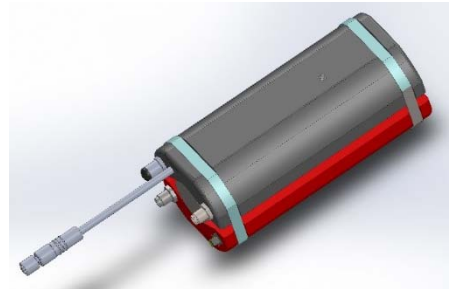


## EASY TORQUE

- Wireless transmitter module for bridge based sensor measurements such as torque
- Very fast update rate of 2,000 per second
- Analogue output from wireless receiver
- Configurable analog outputs of 0-10 V, 0-5 V, 4-20 mA, 0-20 mA,  $\pm 10$  V,  $\pm 5$  V
- Slim and robust IP67 enclosure, up to 100 m range
- Fit down to  $\varnothing 20$ mm axis, only need free space of  $\varnothing 51$ mm
- Simple wireless configuration and calibration
- Free software for configuration and monitoring



Specifications Sender	
<b>Measurement</b>	
Strain gauge system	4 wire
Strain gauge excitation	5 VDC
Strain gauge resistance (min )	85 $\Omega$
Strain gauge sensitivity (max)	3.1mV/V
Offset temperature stability (max)	4 ppm/ $^{\circ}$ C
Gain temperature stability (max)	5 ppm/ $^{\circ}$ C
Non linearity before linearization (max)	25 ppm of FR
Internal resolution/Bits	16,000,000 / 24
Noise free resolution/Bits at 2 KHz per second	8,000/ 13
Transmission rate	2000Hz
<b>Power-supply</b>	
Battery capacity	1500mAh
Battery type	Li-Po
Battery-life @350 $\Omega$ constantly on	ca 16 tim

Accessories, included	
Charger USB, 1pc	3.7Vdc 1000mA
Power-bank, re-chargeble, 1pc	10000mAh
Power supply USB, 1pc	In: 220VAC Out: 5V 2,1A
Shunt, external, 1pc	40k $\Omega$ 0.1%
Shunt, internal via wireless, 1pc	100k $\Omega$ 0.1%
Steel cable-ties, 2pcs	360mm
Cable for measuring bridge, 1pc	4-pol, 2m
Analog receiver <sup>*)</sup> , 1pc	T24-A01i
USB-Basestation (to be able to scale the analog output)	T24-Bsd

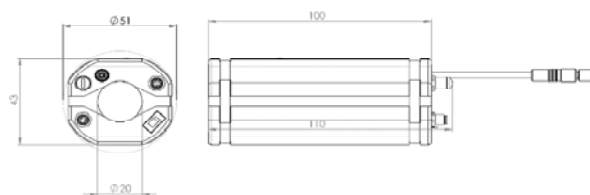
Specification Receiver	
<b>Voltage Output Specifications</b>	
Voltage ranges	0-5V, 0-10V, $\pm 5$ V, $\pm 10$ V
Resolution / Bits	65,000/16
Output gain stability (max)	$\pm 0.015$ % FS / $^{\circ}$ C
Output zero stability (max)	$\pm 0.015$ % FS / $^{\circ}$ C
Linearity (max)	$\pm 0.01$ % FS
Minimum load impedance	5000 O
<b>Power Supply</b>	
Power supply voltage	9 to 32 Vdc
Operational current	100 mA (typical)

Accessories, not included	
Extension-cable power-pack up to 2m	up to 2m
Shunt, extrenal	80k $\Omega$ 0.1%
Extra cable for measuring bridge	4-pol, 2m



Specification System	
<b>Radio</b>	
Radio type	Licence exempt
Radio frequency	2.4GHz
Transmit power	10 mW
Range	Up to 100m
<b>Environmental</b>	
Operating temperature range	-20 to 55 $^{\circ}$ C
Storage temperature range (no batteries)	-40 to 85 $^{\circ}$ C
IP Rating	IP67/Nema4

### Physical dimensions



<sup>\*)</sup> Shipped preset to insignal 2mV/V = 10V outsignal setting  $\pm 10$  V)

Med vänlig hälsning / Have a nice day

Jakob Heide-Jørgensen

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