

ABRTL

Flanged Type Reaction Torque Transducer

- Measurement ranges 0 ... 5 kgm up to 0 ... 200 kgm (approx. 50 Nm to 1.9 kNm)
- Non-linearity 0.5 % RO
- Output signal 1.0 mV/V \pm 1.0 %
- Supply voltage 10 VDC, max. 15 VDC



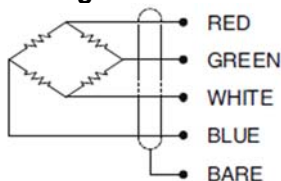
The ABRTL series, reaction torque transducers, guarantee the high performance comparing to the other in the same class.

- Low deflection.
- Small size.
- Alloy tool steel construction
- High stability and sensitivity.

■ Specifications

Rated capacity (RC):	5 kgm / 10 kgm / 20 kgm / 50 kgm / 100 kgm / 200 kgm
Non-linearity:	\leq 0.5 % RO
Hysteresis:	\leq 0.5 % RO
Creep, 20 min:	\leq 0.5 %
Non-repeatability:	\leq 0.2 % RO
Rated output (RO):	1.0 mV/V \pm 1.0 %
Zero balance:	\leq 1 % RO
Temperature effect on rated output:	\leq 0.02 % load/10 K
Temperature effect on zero balance:	\leq 0.02 % RO/10 K
Compensated temperature range:	-10 ... +70 °C
Operating temperature range:	-20 ... +80 °C
Supply voltage, recommended:	10 VDC
Supply voltage max.:	15 VDC
Terminal input resistance:	400 Ω \pm 20 Ω
Terminal output resistance:	350 Ω \pm 5 Ω
Insulation resistance, min.:	2000 M Ω at 50 VDC
Safe overload:	150 % RC
Ultimate overload:	300 % RC
Environmental sealing:	meets IP64
Electrical connection:	\varnothing 7 mm x 3 m (22AWG x 4-core , shielded)

■ Wiring Information



Wiring

red	+ supply voltage
green	+ output signal
white	- supply voltage
blue	- output signal
bare	screen

