



SensuReal™

6-axis Force and Torque Sensors

A Product of MAE Robotics™
Designed and Made in Canada

Why SensuReal™? Trust in Our Experience

Superior Engineering: Engineered from the ground up by seasoned robotics engineers for precision and reliability.

Proven Expertise: Designed by a team of robotics scientists and engineers with extensive experience in Advanced Aerospace, Medical, and Assistive Robotics and Optics.



The SenuReal™ Solution

Weight

Small size and weight
maximises speed and
available payload



Speed

Optical Transducers provide
lightning-fast feedback



Longevity

Wear-free non-contact
transducers



Upgrade your sensing with SensuReal™

Proprietary Non-Contact Optical Transducers: Boasts long transducer life.

Fast Feedback: High-speed data output at 2 kHz or higher for real-time feedback.

Customizable Stiffness: Fine-tuning sensor stiffness for various applications.

Customizable Mounting: Ensuring a precision fit with your system.

Reliable Communication: Highly integrable with existing systems via Ethernet.

Ease of Use: Extensive software features for easy use and integration.

SensuReal™ Product Line



SR-FTS-70 (Flanged)

SR-FTS-70

SR-FTS-90

SensuReal™ Product Line

SR-FTS-70	SR-FTS-90	SR-FTS-C
Ø68mm x 28mm	Ø88mm x 27mm	Customizable
~200g	~320g	Customizable
Fx/Fy: ± 100 - 200 N Fz: ± 150 - 300 N Tx/Ty/Tz: ± 3 - 6 Nm	Fx/Fy: ± 250 - 600 N Fz: ± 350 - 800 N Tx/Ty/Tz: ± 8 - 17 Nm	Fx/Fy: Customizable Fz: Customizable Tx/Ty/Tz: Customizable
>300% Overload Protection, Sealed Construction		
2kHz or more, UDP Communication (Serial - RS485 available upon request)		
Standard ISO 9409-1-A4 Mounting (Optional custom mounting available upon request)		
Steel and Aluminium options available. Includes external interfacing module		

Become a SensuReal™ Early Adopter

Become a part of our **Early Adopters Program** and receive

- 20% discount on your SensuReal™ purchase,
- Equal or better discount on the next-gen Sensureal™ Sensors upon release
- Personalised Training and Integration Support
- Early access and discounts on any software updates / add-ons

In exchange, we would like to have your valuable feedback, including:

- Assisting our product team in documenting our sensor's performance in your application
- Reporting back on test results, sample datasets and potential improvements

Ready to Adopt SensuReal™?

To become a **SensuReal™ Early Adopter**, reach out to us at sales@maerobotics.com and a **dedicated Product Engineer** from our SensuReal™ Product Team will **get in touch** with you.

MAE Robotics SensuReal™ Sensors meet **Buy Ontario** and **Buy Canada** requirements.

[Our Website](#) | [Connect on LinkedIn](#)

