ROBOTIQ

FORCE TORQUE SENSOR DESIGNED FOR UNIVERSAL ROBOTS

GIVE YOUR ROBOT THE SENSE OF TOUCH

AUTOMATE FORCE SENSITIVE TASKS

Reliably perform:
- Precision part insertion
- Assembly and fabrication
- High performance product testing

MADE FOR UNIVERSAL ROBOTS

Everything you'll need for a quick installation from hardware to software

RELIABLE AND STABLE

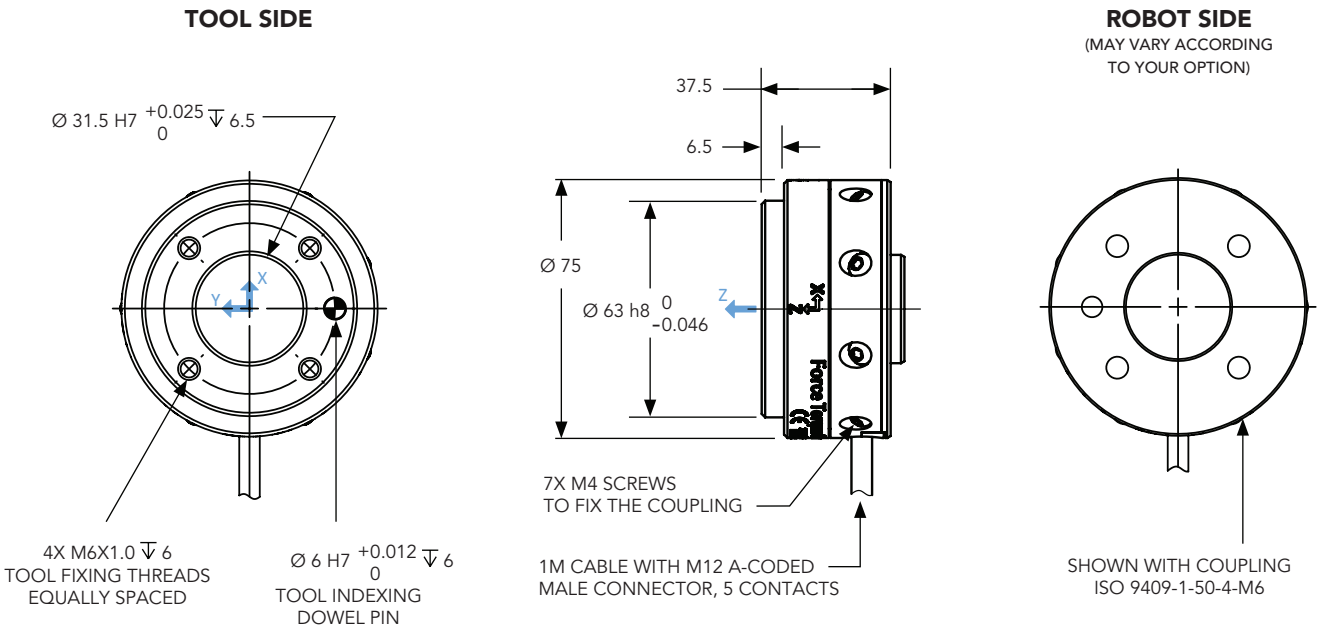
FT 300 digital signal is not affected by noise

UR3

UR5

TECHNICAL DATA

FT 300



UNITS: mm

SIGNAL SPECIFICATIONS

Measuring range	Fx, Fy, Fz Mx, My, Mz	±300 N ±30 N·m	
Signal noise	Fx, Fy Fz Mx, My Mz	0.8 N 0.5 N 0.01 N·m 0.03 N·m	Noise is defined here as the standard deviation of each data for 1 second for a typical steady signal.
External noise sensitivity	All axes	Immune	Under normal operating conditions.
Data output rate		100 Hz	
Temperature compensation		15°C - 35°C	Temperature fluctuation is compensated for within this range. Signal quality may be affected outside of this range.

MECHANICAL SPECIFICATIONS

Outside diameter	75 mm	
Thickness	37.5 mm	With Coupling ISO 9409-1-50-4-M6
Weight	300 g	With Coupling ISO 9409-1-50-4-M6
Overload capacity	500 %	Exceeding the overload capacity will permanently damage the sensor.

ELECTRICAL SPECIFICATIONS

Nominal supply voltage	4.5-28 V DC	
Maximum power consumption	2 W	
Sensor electrical interface	RS-485, USB	Software packages available for Universal Robots, ROS, Linux and Windows.

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Specifications subject to change without notice