



## FT 300 FORCE TORQUE SENSOR



### EASY TO USE

- Plug + Play
- UR+ certified product
- Free programming software

### FORCE-SENSITIVE TASKS READY

- Assembly and part insertion
  - Part finishing
- Machine tending & product testing

### FOR INDUSTRIAL NEEDS

- Fully metallic hardware
- Wear-free sensing technology
- High-resolution sensor



Pick and Place



Finishing



Assembly



Quality Testing



Machine Tending



Insertion

**START PRODUCTION FASTER**



## PERFORM HIGH-PRECISION ASSEMBLY TASKS

USE OUR FREE, READY-TO-USE SOFTWARE PROGRAMS



## TEACH YOUR ROBOT IN SECONDS

PROGRAM COMPLEX ROBOT TRAJECTORIES IN NO TIME

SPECIFICATIONS	FX	FY	FZ	MX	MY	MZ
Measuring range	± 300 N			± 30 Nm		
Overload capacity	500%			500%		
Signal noise	0.1 N			0.005 Nm	0.003 Nm	
Recommended threshold for contact detection	1 N			0.02 Nm	0.01 Nm	
Tool deflection at maximum measurable load	0.01 mm			0.17 deg	0.09 deg	
External noise sensitivity	Immune					
Data output rate (data stream mode)	100 Hz					
Mass	300 g					
Communication protocol	Modbus RTU / Data stream (RS-485)					

\* All specifications are provided for reference only. See User Manual at [support.robotiq.com](http://support.robotiq.com) for official specifications.

## WHAT'S NEXT?

Get access to the FT 300 Force Torque Sensor specifications at [support.robotiq.com](http://support.robotiq.com)

Chat with the Robotiq sales team:  
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[robotiq.com](http://robotiq.com)