



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 for official specifications.

WHAT'S NEXT?

Get access to the FT 300 Force Torque Sensor specifications at support.robotiq.com

Chat with the Robotiq sales team:
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