ROBOTIQ

FT 300-S

FORCE TORQUE SENSOR

THE PIONEER OF COBOT FORCE TORQUE SENSORS

- Plug + Play for quick and easy integration
- Fully metallic hardware suited for industrial needs
- Wear-free sensing technology means no calibration needed, no production downtime
- High resolution and no loss of precision over time
- ***Force Copilot*** programming software included

Insertion | Pick & Place | Assembly | Quality Testing | Machine Tending | Finishing

IP65
RATING

DESIGNED FOR
APPLICATIONS
CLEAN, HARSH OR DIRTY

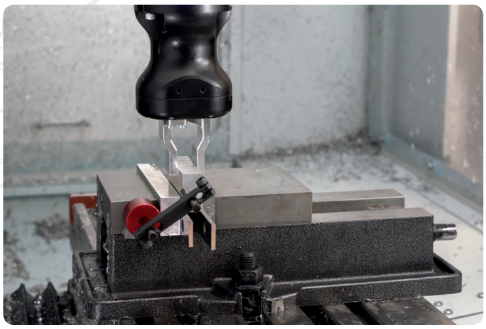
START PRODUCTION FASTER

FORCE COPILOT MAKES IT EASY

You don't need a background in robotics to use the FT 300-S Force Torque Sensor.

Make force control easy.
Enter your task parameters, press play, and perform your application.

Force Copilot does the hard work for you!



DESIGNED WITH THE APPLICATIONS IN MIND

Transform your production process by automating the most advanced force-sensitive applications on the market.

Program complex robot movements in minutes—no robotics expertise needed. The result is a strong and flexible robot cell.

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	440 g					
Communication protocol	Modbus RTU / Data stream (RS-485)					
IP Rating	IP65					

* 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-S Force Torque Sensor specifications at
support.robotiq.com

Chat with the Robotiq sales team:
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UNIVERSAL ROBOTS+ Certified

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