



**FT 300-S**

FORCE TORQUE SENSOR

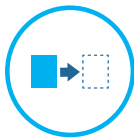


## THE PIONEER OF COBOT FORCE TORQUE SENSORS

- 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



Insertion



Pick & Place



Assembly



Quality Testing



Machine Tending



Finishing

**IP65**  
RATING

DESIGNED FOR  
**APPLICATIONS**  
CLEAN, HARSH OR DIRTY

**START  
PRODUCTION  
FASTER**



## THE FT 300-S 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.



## 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](http://support.robotiq.com) for official specifications.

## WHAT'S NEXT?

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

Chat with the Robotiq sales team:  
[iss@robotiq.com](mailto:iss@robotiq.com)  
1-888-ROBOTIQ

Place your contact  
information here