

Description

Human-Collaborative Robots for harsh Environments
 6 integrated Sensors with internal Cable Routing
 MOTOMAN HC10DT IP67 (B10 + B12) are 6 axis human-collaborative robots with a payload of up to 10 kg. Complying to EN 60529-IP67, they are dust and water protected to operate in harsh environments. Operational safety is assured by a 'Power and Force Limit' technology that stops the robot in case of contact with an operator. The robot arm can be hand guided by an operator and robot positions and gripper operation can be registered via "Teach" and "Tool" buttons. These features offer time saving during the robot programming. The robot's arm geometry was designed to avoid pinch points (finger) and provide internal wiring options (Air (-B10) or Ethernet (-B12)). The MOTOMAN HC10DT IP67 robots can operate with additional protective measures like a safety fence depending on the risk assessment. This saves space and



Key Benefits

Controller

✓ Available with YRC1000 or YRC1000micro industrial robot controller.

High safety

- ✓ Contact force between operator and robot is limited to a safe level
- ✓ Safety by Design: rounded edges without pinch points (finger protections)
- ✓ Internal cable routing options: Air (-B10) or Ethernet (-B12)
- ✓ Safety standards – applications for industrial robots: ISO 10218-1 (5.10.5 Power and Force Limiting)
- ✓ Complies to ISO TS 15066
- ✓ Safety functions industrial robot controller: ISO 13849-1, PLd, Cat. 3
- ✓ Functional Safety Unit included
- ✓ Safe Force/Torque Sensors in all 6 links



Easy teaching

- ✓ Move the robot arm directly via hand guiding function: easy teaching mode supported by function buttons at the wrist.

Safety and Speed

- ✓ Depending on the application, the MOTOMAN HC10DT can be switched between safe/collaborative mode in phases of man-robot-interaction, and returning into high speed when absence of the operator is detected by additional safety devices

