

A05B-2256-C100#EMH FANUC i PENDANT Teach Pendant Unit



Brand: FANUC

SKU: A05B-2256-C100#EMH

Category: Teach Pendant Units

Tags: i PENDANT, Teach Pendant

Price: \$6,500.00

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Product Page:

<https://www.robospares.com/product/a05b-2256-c100emh-fanuc-i-pendant-teach-pendant-unit>

Product Description

The FANUC A05B-2256-C100#EMH is the standard, modern generation i PENDANT unit designed for use with the FANUC R-30iB and R-30iB Plus series robot controllers. This unit serves as the primary Human-Machine Interface (HMI) for programming, testing, monitoring, and manually operating FANUC industrial robots. It features a large, durable color LCD display and a full array of membrane keys, function buttons, and the critical three-position Deadman switch. Its lightweight, ergonomic design ensures comfortable use during long programming cycles. The i PENDANT is essential for tasks ranging from jogging the robot axis and executing program tests to complex variable and fault monitoring. The 'EMH' suffix often indicates the standard display and cable configuration for the most common markets.

Key Technical Specifications:

Part Number: A05B-2256-C100#EMH

Manufacturer: FANUC

Product Type: Teach Pendant Unit (HMI)

System Series Compatibility: FANUC R-30iB and R-30iB Plus Robot Controllers

Display: Large Color LCD Display (Typical 8.4-inch or 10.4-inch size)

Safety Features: Three-position Deadman Switch, E-Stop Button, Enable/Disable Key Switch

Interface: Proprietary Cable Connection to Robot Controller (A660 series cable)

Key Function: Program editing, manual robot control, alarm diagnosis, and system monitoring.

Failure Symptoms & Diagnosis:

Failures in the Teach Pendant typically affect the operator's ability to control the robot and may include:

- Screen Failure: Backlight or display panel is dark, cracked, or displays static.
- Membrane Keypad Errors: Buttons (especially the F-keys or letter keys) do not respond consistently.
- Deadman Switch Failure: The three-position switch (critical safety circuit) does not register, preventing the robot from entering T1 or T2 mode.
- Cable Breakage: Damage to the internal or external pendant cable leading to intermittent communication errors (comm errors).

RoboSpares MRO Advantage:

Guaranteed Quality: Every refurbished A05B-2256-C100#EMH unit is fully tested on a live R-30iB controller to verify touchscreen responsiveness, key membrane functionality, screen integrity, and proper operation of all safety circuits (Deadman and E-Stop).

Failure Resolution: A direct, plug-and-play solution for damaged, malfunctioning, or ergonomically compromised pendants.

Rapid Service: Minimize critical programming downtime with same-day shipping and our competitive Core Exchange Program.

Warranty: All units are backed by our industry-standard [12/24] Month operational warranty.

Application Notes & Critical Installation Steps:

The A05B-2256-C100#EMH is designed for immediate replacement. Installation typically involves simply plugging the new unit into the robot cabinet's designated port and securing the connection.

1. **Compatibility Check:** Always verify the controller software version against the pendant's firmware version to ensure perfect communication.
2. **Safety Circuit Check:** After installation, a mandatory test of the Deadman switch (three positions) and the E-Stop button must be performed before the robot is returned to production status.
3. **Ergonomic Care:** Advise end-users to avoid dropping the pendant and refrain from pulling on the cable, as cable damage is the most frequent cause of failure for these units.

Supplemental Images



All specifications are subject to change without notice. Errors and omissions excepted (E&OE). This document provides detailed technical data for industrial robot components.

For current pricing, stock levels, and expedited shipping options, please visit the official product page:

<https://www.robospares.com/product/a05b-2256-c100emh-fanuc-i-pendant-teach-pendant-unit>

Contact our technical support team at: sales@robospares.com