FACTORY AUTOMATION

MITSUBISHI ELECTRIC INDUSTRIAL/COLLABORATIVE ROBOT
High-Performance Teaching Box R86TB

Easy operation with just this one teaching box

- Easy to operate, intuitive user interface
- Major functions of the engineering software incorporated
- Data analysis ways provided for troubleshooting

Applicable to a wide range of work quickly

The R86TB is a new teaching box further evolved from the conventional high-performance teaching box.
Even if a computer cannot be brought to the site, one teaching box can handle a series of processes from setup to maintenance, reducing time and cost.

Improved operability
Accessible from any screen

Customizable
Shortcut registration, user definition screens

3D monitor incorporated
Visualization of setting areas

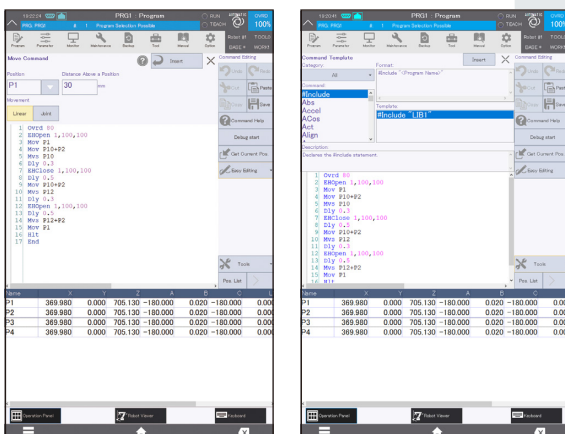## *Security function*
File editing can be restricted with a password, and use of functions can be restricted with user authority settings.

Feature 1

Easy to operate, intuitive user interface

Any function can be accessed from the HOME screen or page list, and programs can be edited using the easy edit function and templates for further efficient setup.

Feature 2

Major functions of the engineering software incorporated

Visualization of setting areas on the 3D monitor screen, settings of safety logic, monitoring of signals, variables, and load conditions, and more features can be utilized with just this one teaching box.

The 3D monitor screen can display layouts created in RT ToolBox3.

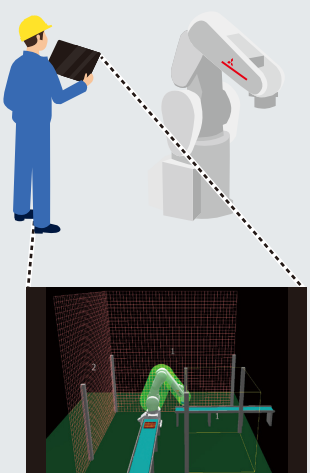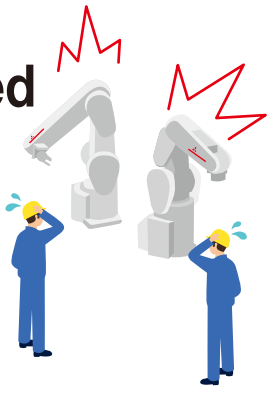Creation

Improved processing speed
Stress-free operability

Secure hardware buttons
Tactile and consistent operation using physical buttons.

Abundant information on the large screen display
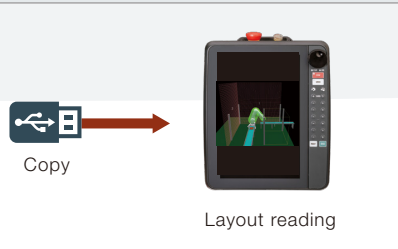
10.1-inch high-definition display

Feature **3**

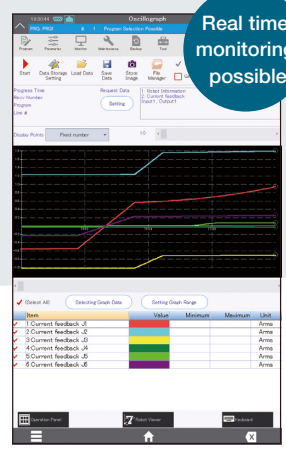# Data analysis ways provided for troubleshooting

Various types of displays and analysis screens make it possible to perform trouble diagnosis and achieve early troubleshooting without a computer.

Monitoring functions equivalent to those of RT ToolBox3

Copy

Layout reading

Real time monitoring possible

▲ Oscillograph function

▲ Error history

▲ Program monitor

Specifications

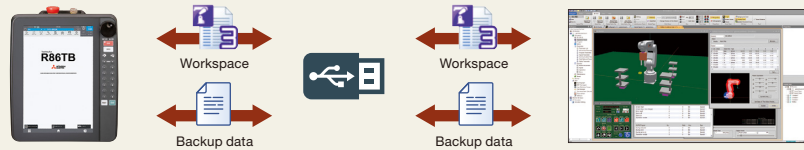| Item	Description
External dimensions	215mm (width) × 284mm (height) × 76mm (depth)
Weight	Approx. 1,200g (only the teaching box, excluding cables)
Body color	Dark gray
Connection method	Connected with the controller using a dedicated connector, Cable length: 7m
Interface	USB port × 1 (32G bytes or less)
Display	10.1 TFT (800 × 1280) color touch panel with a back light
Operation section	Display (touch panel), emergency stop button, enable switch (3-position), wheel, operation-specific key × 20
Display language	Japanese/English/simplified Chinese/traditional Chinese
Compatible controllers	CR800 series, CR700 series (Extension cable model: 2F-32EXTBST-□□M (□□: 01, 05, 10, 15m)), CR751 (Conversion cable required, Conversion cable model: 2F-32CON□□M (□□: 01, 05, 10, 15m))
IP rating	IP65 (excluding conversion and extension cables, and the connector section)

Part names

No.	Name
❶	Emergency stop button
❷	Display (touch panel)
❸	Wheel
❹	Power lamp and error lamp
❺	STOP button
❻	SERVO button
❼	HAND button
❽	JOG button
❾	OVRD button
❿	+/- button
⓫	RESET button
⓬	EXE button
⓭	Key switch
⓮	Grip handle
⓯	3-position enable switch
⓰	USB connector

Workspaces and backup data can be utilized together with RT ToolBox3 via a USB memory.

Workspace

Backup data

Workspace

Backup data

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN