

PRODUCT INFORMATION DASHBOARD

Yokogawa BT100

BRAIN Terminal

Yokogawa BT100 is a portable BRAIN Terminal used to view, set and transfer parameters for supported BRAIN-compatible field instruments. Its keypad, two-line display and non-volatile memory support controlled field-instrument setup and service work.

PRODUCT ROLE

Portable BRAIN parameter-setting terminal

SYSTEM

BRAIN-compatible field instruments

INTERFACE

Sixteen-character by two-line LCD

SERVICE FOCUS

Automatic power-off after about five idle minutes

Exact-model highlights

- Portable BRAIN parameter-setting terminal
- Sixteen-character by two-line LCD
- Upload and download through non-volatile memory
- Automatic power-off after about five idle minutes

Release questions

IDENTITY

Is the complete BT100 code confirmed?

INTERFACE

Do field signals and companion equipment match?

SETTINGS

Are installed parameters and mappings preserved?

ACCEPTANCE

Have normal, fault and recovery states been tested?

Technical data

Device type	BRAIN Terminal
Display	LCD, 16 characters x 2 lines
Startup indication	Model No., Tag No., Self-check
Menu navigation	MENU and PMTR keys
Parameter review	INC and DEC keys
Character entry	ALPHA key, alphabetic/numeric modes
Write confirmation	ENT key x 2
Setting transfer	UPLD/DNLD via non-volatile memory
Automatic power-off	About 5 minutes idle
Cable interface	Top-mounted communication cable

Application safeguards

SAFEGUARD 1

Confirm the physical label reads Yokogawa BT100 before using this procedure.

SAFEGUARD 2

Verify the target instrument explicitly supports BRAIN communication and BT100 operation.

SAFEGUARD 3

Use the cable and connection points specified in the exact field-instrument manual.

SAFEGUARD 4

Record the current tag, range and parameter values before changing or downloading data.

Common applications

Field-instrument setup

Reads and changes documented parameters such as model-related configuration, tag and operating settings on a supported BRAIN device.

Commissioning checks

Displays instrument identification and self-check information before parameter review or controlled adjustment.

Maintenance comparison

Uploads an approved parameter set so technicians can compare or preserve settings during service work.

Like-for-like configuration transfer

Downloads stored settings only between instruments whose exact model, range and configuration have been verified as compatible.

Interface checklist

- The communication cable connects the BT100 to a supported BRAIN field instrument.
- The two-line LCD presents model, tag, self-check, menu and parameter information.
- MENU selects a main menu and PMTR steps through its parameters.
- INC and DEC review available parameter choices.
- ALPHA changes between alphabetic and numeric entry modes.
- ENT is pressed twice when a changed value is to be stored.
- UPLD reads a supported instrument data set into non-volatile memory.
- DNLD transfers a stored data set only after exact instrument compatibility is confirmed.

Installation snapshot

STEP 1

Place the process and target instrument in the approved maintenance condition.

STEP 2

Connect the documented communication cable to the top of BT100.

STEP 3

Connect the instrument end at the exact points specified in its manual.

STEP 4

Power on BT100 and verify the model, tag and self-check displays.

Model-specific FAQ

Q1 What is Yokogawa BT100?

It is a portable BRAIN Terminal for viewing, setting and transferring parameters on supported BRAIN-compatible field instruments.

Q2 What does Yokogawa BT100 display when it starts?

It shows Model No., Tag No. and Self-check before menu operation.

Q3 How are menus and parameters navigated on Yokogawa BT100?

Use MENU to select a main menu and PMTR to move through parameters; INC and DEC review available choices.

Q4 How is a changed value saved with Yokogawa BT100?

After the correct parameter and value are displayed, press ENT twice to store the change.

Q5 What do UPLD and DNLD do on Yokogawa BT100?

UPLD stores instrument settings in BT100 non-volatile memory; DNLD transfers the stored set to a compatible instrument.

Q6 When does Yokogawa BT100 turn itself off?

It normally powers off after about five minutes without a key press, except during continuously updated displays.

Q7 Can Yokogawa BT100 settings be downloaded to any BRAIN instrument?

No. Confirm the receiving instrument's exact model, suffix, range and parameter structure before using DNLD.

Q8 Which communicator succeeds Yokogawa BT100?

BT200 Device Smart Communicator succeeds BT100 after its 30 April 1994 discontinuation.

Product precautions

1

Confirm the physical label reads Yokogawa BT100 before using this procedure.

2

Verify the target instrument explicitly supports BRAIN communication and BT100 operation.

3

Use the cable and connection points specified in the exact field-instrument manual.

4

Record the current tag, range and parameter values before changing or downloading data.

5

Press ENT twice only after reviewing the displayed parameter and intended new value.

6

Do not download one instrument's stored data into another until model, suffix, range and configuration compatibility are confirmed.

7

Do not infer hazardous-area approval or connection practice from the BT100 model name; follow the instrument and site safety documents.

8

Complete a controlled functional check after changes and retain the before-and-after parameter record.

Related products

Verified related products on ApterPower

Yokogawa VF702

Control bus interface card

[View Yokogawa VF702](#)

Yokogawa SB311 S1

SOE interface module

[View Yokogawa SB311 S1](#)

Yokogawa ANB10D-427/CU2T

Node interface unit

[View Yokogawa ANB10D-427/CU2T](#)

Contact Apter Power

PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



Share the exact BT100 nameplate, application and required quantity for a model-specific quotation.