



for a greener tomorrow



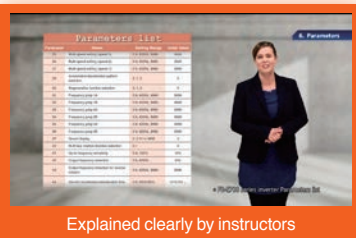
MITSUBISHI ELECTRIC

Changes for the Better

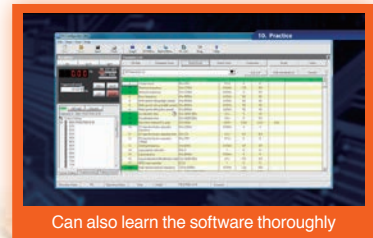
FACTORY AUTOMATION

# Satellite Training Series **PART 2** Your First Inverter

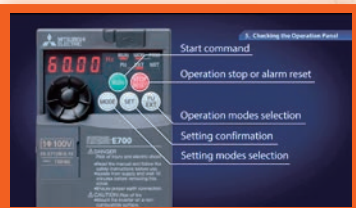
## Do you have difficulty in education of engineers in overseas factories?



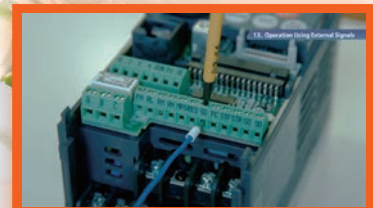
Explained clearly by instructors



Can also learn the software thoroughly



Can learn from the basics of inverters



Assembly of the training machine also explained\*



**[Supported languages]**

English / Japanese /  
Chinese / Indonesian /  
Thai / Vietnamese

**“DVD & Textbook” for learning the basics of inverters**



DVD Training



- Rewatch as many times as necessary
- Suitable as a short training for group learning

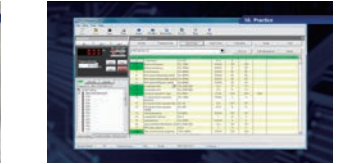
Textbook PDF



- Full of practical programming examples

\* The training machine is not supplied as an accessory of this product.

# Training DVD Contents

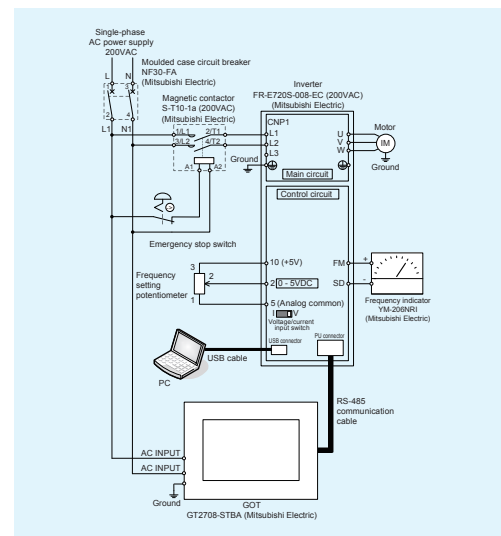
<p><b>Chapter 1 Basics of the Inverter</b></p> 	<p><b>Chapter 2 Introduction of the Actual Inverter</b></p> 	<p><b>Chapter 3 Setting Basic Parameters</b></p> 	<p><b>Chapter 4 Inverter Setup Software</b></p> 
<ol style="list-style-type: none"> <li>1. What is an Inverter?</li> <li>2. Motor and Frequency</li> <li>3. Structure of the Inverter</li> </ol>	<ol style="list-style-type: none"> <li>4. Actual Inverter</li> <li>5. Checking the Operation Panel</li> </ol>	<ol style="list-style-type: none"> <li>6. Parameters</li> <li>7. Practice</li> </ol>	<ol style="list-style-type: none"> <li>8. FR Configurator</li> <li>9. System Settings of FR Configurator</li> <li>10. Practice</li> </ol>
<p><b>Chapter 5 Instructions for Use</b></p> 	<p><b>Chapter 6 Useful Optional Connection Function</b></p> 	<p><b>Appendix 1 Final Assembly of Training Devices</b></p> 	<p><b>Appendix 2 Connecting GOT with Inverter</b></p> 
<ol style="list-style-type: none"> <li>11. Precautions for Use of Inverter</li> <li>12. Faults and Corrective Actions</li> </ol>	<ol style="list-style-type: none"> <li>13. Operation Using External Signals</li> <li>14. Working with FA Products</li> </ol>		

# Textbook Contents

Chapter	Contents	
Chapter 1	Brief description of inverters	1.1 What is an inverter?
		1.2 Motor drive force
		1.3 Changing frequency
Chapter 2	Specific models of inverters	2.1 Mitsubishi general-purpose inverters
		2.2 Detailed description of the inverter
		2.3 Connecting the inverter
		2.4 Inverter usage precautions
Chapter 3	Parameters	3.1 Setting Basic Parameters
		3.2 Operation panel
		3.3 Selecting the operation mode and command source
		3.4 Basic operation modes
		3.5 How to configure parameters
Chapter 4	How to use FR Configurator	4.1 Fundamental knowledge to operate FR Configurator
		4.2 Easy Setup
		4.3 Parameter List operations
Chapter 5	Inverter external connections	5.1 Connecting GOT with the inverter
		5.2 Connecting MELSEC iQ-F series with the inverter
		5.3 External potentiometer operation
Chapter 6	Review	Review 1 Belt conveyor control
		Review 2 Writing parameters using FR Configurator
		Review 3 Comprehension test
Appendix 1	Parameter List (FR-E700)	
Appendix 2	List of fault displays (FR-E700)	
Appendix 3	Final assembly of training devices	
Appendix 4	Terminal connection diagram (FR-E700)	

The assembly diagram for the training machine included in the textbook!

Can learn practical usage by actually assembling the training machine and enables learners to acquire higher proficiency levels!



**MITSUBISHI ELECTRIC CORPORATION**

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### ⚠ Safety Warning

• To ensure proper use of the products in this document, please be sure to read the instruction manual and textbook prior to use.