ICST Corporation

The world's first (according to ICST's research)
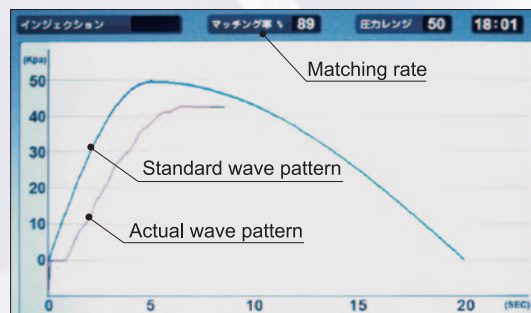
Visualization of senses changes the quality of training!
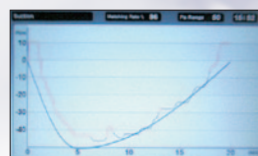
Injection Trainer

IT101

Injection skill is improved because of the practical and effective training!
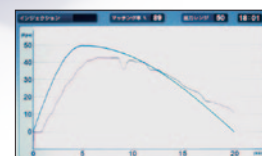
Six points to take note of:

1. Pressure during injection/suction is "visualized" with wave patterns.

2. Training in line with the standard wave pattern of injection /suction pressure.

3. Matching rate with the standard wave pattern is indicated.

4. Additional memory of the standard wave pattern can be installed according to the usage.

5. Memory facility of training wave pattern.

6. Optimum method for training as it can be output to a large screen such as a projector.

Matching rate

Standard wave pattern

Actual wave pattern

Measurement screen

Screen of suction pressure wave patterns   Screen of injection pressure wave patterns

*Injection: intravenous injection, intramuscular injection, subcutaneous injection / Suction: blood drawing

"Visualization" of injection/suction pressure of a syringe enables rapid progress in injection skill.

Procedures (injection)

Measurement screen

Measurement screen

Matching rate
Standard wave pattern
Actual wave pattern

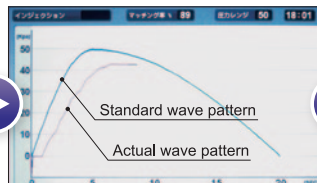Standard wave pattern
Actual wave pattern

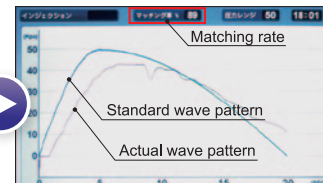**1** Connect a syringe to an equipment and switch on it, then select "training >injection"

2 Wave pattern of pressure is displayed on the monitor in conjunction with the amount of pressure to push inner cylinder.

3 Training can be made by trying to control the amount of pressure to be in line with the standard wave pattern.

4 Matcing rate with the standard wave pattern is indicated in %. The same procedure can be applied to at the time of suction.

The standard wave pattern and actual wave pattern are displayed on the screen at the time of injection /suction. Effective and short-time training can be made by trying to control the amount of pressure to be in line with the standard wave pattern and memorize the sense. Practical training based on a quantitative ground can be realized by controlling the rate and pressure of injection/blood drawing according to the standard wave pattern, though it was instructed relying only on the feeling.
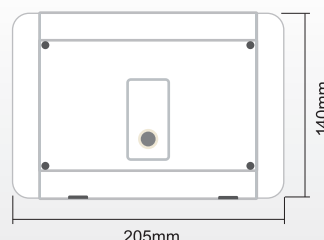In addition, it is the optimum method for training seminar as it can be output to a large screen such as a projector and a monitor.

Product specifications

* Please note that specifications may change without prior notification.

Dimensions (mm)	205(width)×35(depth) ×140(height)	
Monitor size	7 inch wide	
External output	WVGA/VGA output 2 system (640×480 pixel), simultaneous output	
Operating portion	A switch on the upper row of the front body panel and a switch on the right side	
Date/time setting	Built-in RTC (Real Time Clock)	
Recording medium	SD Card	
Switching of pressure wave pattern range	Injection (Kpa)	Suction (Kpa)
	0～25	0～-25
	0～50	0～-50
	0～75（100）	0～-75（100）
Correlation coefficient	An example based on DP matching and matching function with the actual data	
Switching of measurement time range	20～40sec	
Number of standard wave pattern memories	3	
Number of user memories	Four memories per 1 user (ring memory)/ maximum 10 users (40 data)	
Number of registered user ID	01-10	
Main key front body panel	Power (ON/OFF) / (Left/ mode selection) / (Right/ mode selection)	
	Menu (Determined at the time of selecting each mode) /Exit (Cancellation of each mode)	
Sub key right side of the body	Standard (display / non-display of standard wave pattern) / Monitor display / Pressure range	
Power source	AC adapter specification AC100V-AC240V (Adapter may be changed according to power-supply voltage in use)	
Attachment	Instruction manual A4×1 sheet / AC adapter×1 / sensor unit / SD Card×1 / storage trunk	

7 inch wide

35mm   205mm   140mm

Manufacturer

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Agency