

Portable Air Checker for Dornier AJL TR-7800ACD



In response to strong demand by weavers, Takayama Reed has released the **TR-7800ACD Portable Air Checker for Dornier AJL** after thorough calibration. The **TR-7800ACD** contributes to the improved quality control of your reeds based on comparison of air flow graphs.

◆ Continuous Measurement

One of the advantages of **TR-7800ACD** is continuous and digital measurement (1mm pitch) of air flow. Rather than manual measurement and checking of just a few points, a comprehensive air flow status of the reed is provided. Location of unusual air flow along the reeds can be identified on the graph generated by the encoder behind the unit.

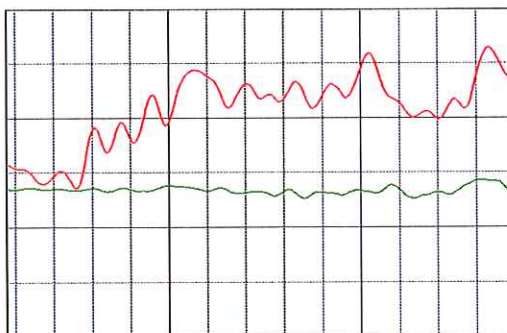
◆ On-loom Measurement (NEW)

The **TR-7800ACD** enables you to measure air flow on-loom with only a minimum preparation of your Dornier AJL. (Move the reed to vertical position, loosen the warp yarn, lift and fix the reed)

◆ Easy data input, graph, and comparison with past data

After installation of software, air flow data can be imported from the **TR-7800ACD** to your personal computer through a USB cable. The air flow data can be quickly and easily converted to a graph format. Those data can be stored according to your reed serial numbers, so comparison with past data of the same reed is feasible (10 measurements per serial number can be stored in the PC file).

〈Sample of Air Flow Graph〉



Red line: Dirty reed before cleaning

Green Line: New reed or after cleaning

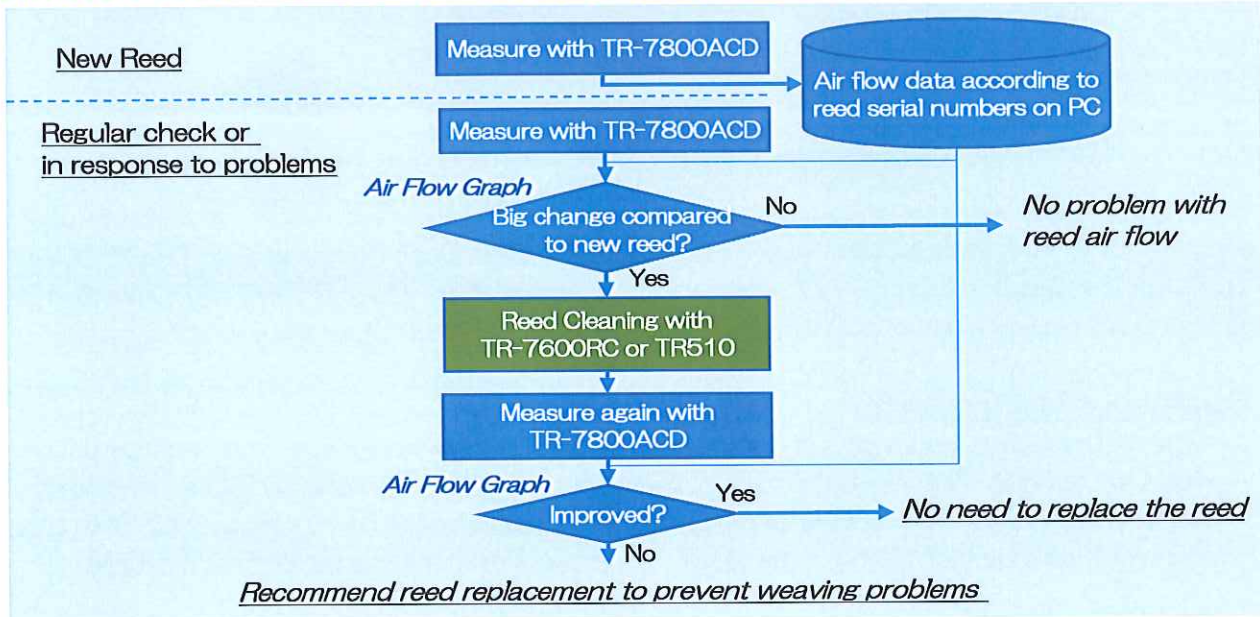
Air flow of new reeds is the best. Air flow that is **too high** may cause the weft to fly out of the tunnel. **Fluctuating** air flow may prevent the stable flight of the weft. Air flow that is **too low** may cause unexpected weft flight anomalies.

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◆ Other Features of the TR-7800ACD

- Calibration before every measurement can ensure accuracy of your air flow data.
- Real time checking of air flow on the LCD of the TR-7800ACD during measurement is also feasible. The graph can be displayed on the LCD, too.
- PDF output of the graph is possible. This makes it easy to distribute results amongst necessary co-workers.
- Encoder position is adjustable depending on the outer height of your Dornier AJL reeds.
- mbar is the employed unit of air flow.
- Standard AA type batteries are applied. Low battery charge is indicated on the LCD screen. Data is not deleted by battery replacement.

TR recommends combination of the TR-7800ACD and the TR Reed Cleaner (TR-7600RC: On-loom Reed Cleaner or TR510: Ultrasonic Reed Cleaning Machine) for quality control of your reeds:



SPECIFICATIONS

Model	TR-7800ACD
Applicable AJL Makers	DORNIER
Maximum measurable length	6,000mm
Data Storage Capacity (main unit)	Maximum 10 data sets
Data Output (on PC)	Graphical display and CSV output
Unit of Measurement	mbar
Air Supply Pressure	5 bars
Power Supply	Type AA batteries (2 pieces) / USB power source
Method of Fixation	Magnet (Lightly push the instrument to magnetically fix to the reed)
Dimensions	202 mm×108 mm×35 mm
Weight	700g
Compatible Operating Systems	Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Vista

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