



Data Network Adapter

Description

The DNA™ System is a proprietary hardware and software system that adds capabilities to existing Fann instruments by connecting them to a computer, using Fann's exclusive Data Acquisition and Control Software. This system combines individual instruments into one integrated test system. For example: by combining the RheoVADR® rheometer and the Model 741 temperature controller into one system, the user can create custom schedules to control speed, temperature, time and data rates.

Application

The DNA™ System is ideal for users who want to automate several tests simultaneously and collect reliable data for every test. The user has the freedom to work on other projects while the DNA™ automatically starts, runs custom schedules for, and completes tests. The system can be interfaced with up to eight compatible Fann instruments to perform individual complex tests. The DNA™ System works with the RheoVADR® rheometer, the Model 741 temperature controller, and the HT4700 HPHT filter press. More Fann Instruments products will be available for connecting to the DNA™ System in the future.



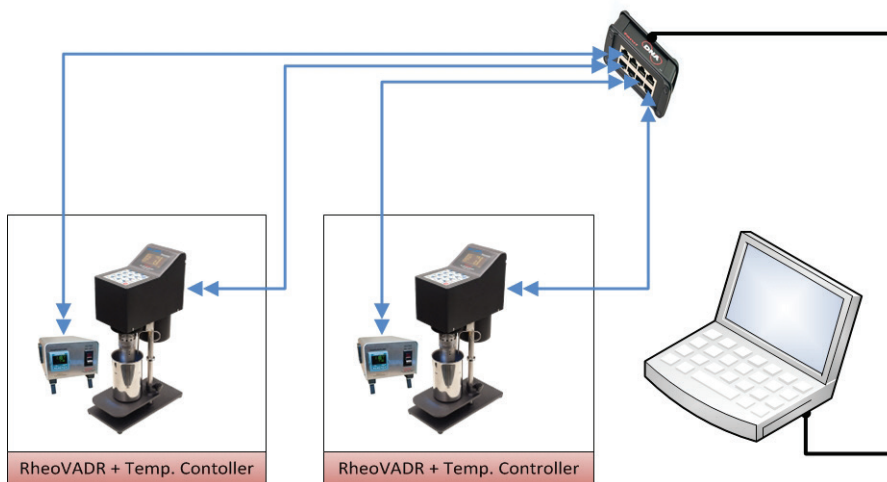
Data Network Adapter Box with
(8) RJ45 serial ports and
(1) USB connection

Software Advantages

- Controls and collects data from multiple instruments
- Graphical display of set points, real-time values, elapsed time, and user defined values
- Records data at 100 ms, 500 ms, 1 s, 2 s, 5 s, 10 s
- Audible alerts for end of test, temperature set point, user defined steps or events
- Compatible with Fann Data Manager for organizing, exporting and printing data
- Microsoft® Windows® 7 operating system

Custom Scheduling

- Combines units to act as one, increasing overall capabilities
- Schedules for time, temperature, speed, and data rate
- Temperature ramping
- Saves profiles and combines profiles to run complex schedule



The diagram above shows the DNA™ System connecting two RheoVADR® rheometers and temperature controllers. The computer (not included) operates the DNA™ software which controls the system.

The DNA™ (data network adapter) box has USB computer connections and RJ45 serial ports for connecting eight (8) individual machines, or four (4) machine combinations, at a maximum.



Graphical representation of three tests running simultaneously.

Ordering Information

Part No. 102410489 - DNA™ System which includes: Data Network Adapter box (USB to RJ45) with computer connector, software, and two 10-ft CAT5 RJ45 cables.



This symbol indicates equipment compatibility with the DNA™ System

Fann Instrument Company offers a complete line of equipment, materials, and supplies for analyzing various drilling fluids and oil well cements in accordance with API Specifications and API Recommended Practices.