UPGRADING of EXISTING FOAM TESTING APPARATUS

- **Conforms to ASTM D892 and D6082**
- **Automatic, Two Channel Event Sequencer**
- **Two Channel, Automated Mass Flow Control of Air Flow**
- **Improves Precision**
- **Improves Operator Efficiency**

Foam testing apparatus with two jars employed by most laboratories can be simply upgraded to improve the precision of the test and improve operator efficiency. Your current twin jars with their temperature controllers simply fit into the pedestal of Model FM-20. It replaces your flow meters, your stop watch, your operators time, and your poor results. The upgrade has all the advanced electronic features and performance (but no air heating) of Model 323. (See page 28.)

Model FM-20 has two digital indicating mass air flow controllers for precisely measuring and controlling the amount and rate of air delivered to the diffuser. The air flow is controlled at either a rate of 94 (for ASTM D892) or 200 +/-5 mL/min (for ASTM D6082). Unpublished data suggests that mass flow controllers may give improved consistency of results. Model FM-20 is enclosed in a small foot print cabinet: 10 x 15 X 16 inches high (25 x 38 x 41 cm).

Model FM-20 has an automated, two channel sequencer that automatically starts the air flow after the 5 minutes diffuser soak time, after 5 minutes stops the air flow and sounds an alarm, and again sounds an alarm after the 10 minutes settling period.

Also for Methods:	
ASTM	D892, D6082
IP	146
DIN	51-566
NF	T60-129
FTM	791-3213

A touch screen panel allows the operator selection and full adjustment of all test parameters including calibration. All key test parameters are displayed during the test. Also displayed is the time remaining to the next test event requiring operator attention. As an option, a two channel totalizer to measure exit air may be incorporate in Model FM-20.

▲ Model FM-20

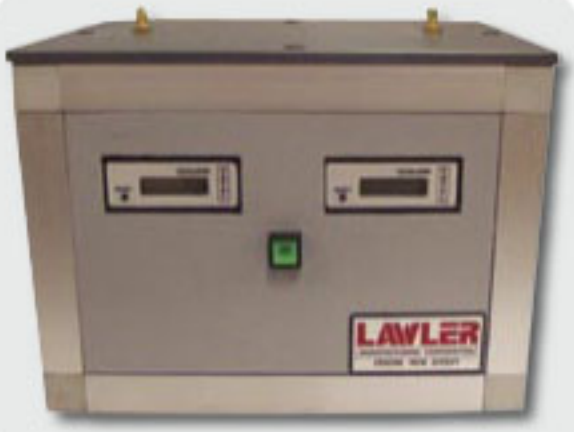
DIGITAL DISPLAY EXIT AIR TOTALIZER

- **Two and One Channel Digital Totalizer of Exit Air**
- **Eliminates the Use of the Wet Test Meter**

To make certain there are no air leaks in the foam testing assembly, ASTM D892 specifies the need to measure the total air exiting the foam cylinder. Lawler offers a simple electronic digital display device that replaces the difficult to use wet test meter. Installation is simple, only requiring a connection to the air outlet tube.

Model FM-21-1 a single channel electronic totalizer digitally displays the total air that is exiting the foam test cylinder. The cabinet size is a small 8 x 11 x 8 inch high (20 x 28 x 20 cm).

Model FM-21-2 is the same as Model FM-21-2 but has two sets of digital display totalizers.



▲ Model FM 21-2

AIR DEHUMIDIFIER

- **Meets the Requirements of ASTM D892 and D6082 for Input Air**

Model 26 removes moisture from pressurized house air and is equipped with an electronic sensor measuring the dew point. ASTM D892 and D6082 test methods specify that air with a dew point of -60°C be used for testing.