

# 4144 Thermal Recorder

## MFE OEM RECORDER MODULE

### 4144 THERMAL MOVING STYLUS RECORDER

The Model 4144 is a rugged single channel OEM recorder designed for use in portable equipment including battery-powered equipment where small size, lightweight and low power consumption are of prime importance. In addition to these features the 4144 offers chart speed up to 50 cm/sec., frequency response of 10hz, TTL control of chart drive and pen heat ON/OFF functions and optional alphanumeric annotation.

The Model 4144 includes the field proven MFE velocity feedback pen motor and rugged coaxial stylus. All functions are controlled from a single rear mounted printed circuit board. Convenient mounting holes are provided on the side and bottom of the module to allow for easy mechanical interface.



### UNIQUE MOVING IRON PEN MOTOR

MFE's unique and patented moving iron pen motor is at the heart of our OEM's tripchart recorders performance. Performance that combines light weight, practical size, efficiency, ruggedness, accuracy and state-of-the-art frequency response all of which have come to be expected from MFE recorders.

MFE's unique pen motor design saves you money, too! With only one moving part, our durable pen motor is virtually maintenance free over years of reliable performance.

Although performance starts with the pen motor, it is only part of the story. Contributing their part to the high performance and reliability to the MFE recorder module is the stylus and stylus heater circuits, the pen motor drive electronics, the chart drive motor and paper transport mechanism.

## Alphanumeric Annotation



ALLEN DATAGRAPH SYSTEMS, INC.  
56 Kendall Pond Road  
Derry, NH 03038-4395  
Tel: (603)216-6344 Fax: (603) 216-6345  
[www.allendatagraph.com](http://www.allendatagraph.com)

The 4144 model has the optional alphanumeric annotation available to users. Get more information recorded, time synchronized with the analog record, in a single line of annotation at the left hand margin of the chart paper. The print head is easily adjustable, just one screw which is accessible through the front panel and can be added in the field in just a few minutes.