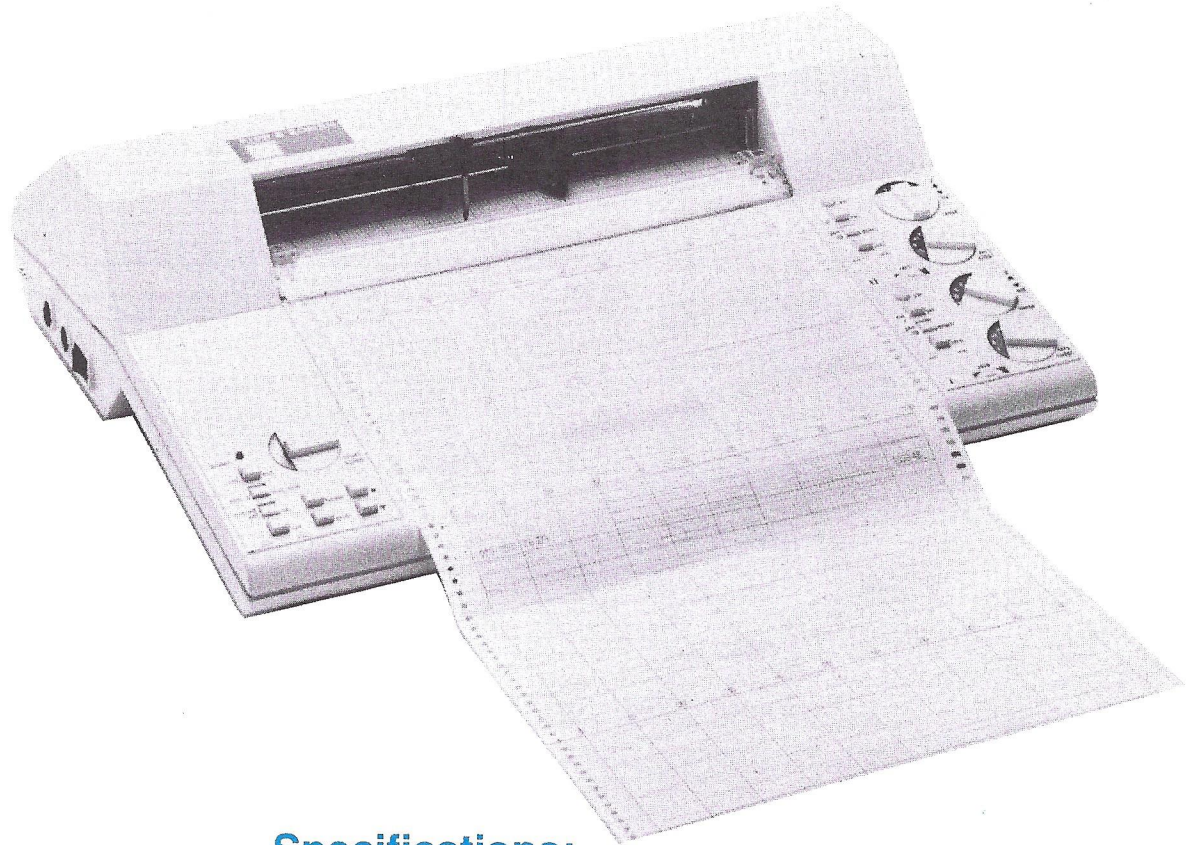


# FLATBED RECORDERS BD111/112 SERIES

The single pen BD111 and dual pen BD112 include as standard many features which are either optional or not even available with other recorders. Its advanced circuitry, utilizing surface mounted electronics, provides new advances in reliability, accuracy, and performance.

The optional BD1512 pen offset compensation module, when fitted on the dual pen BD112, overcomes the displacement effects of pen separation and enables the two input signals to be recorded in the same time frame.



## Recorder Features Include:

- Extended Input Spans and Chart Speeds
- Home and Grid Positioning
- Fast Pen Response
- Zero Suppression
- Forward/Reverse Chart Drive
- Electric Pen Lifts
- In-Trace Event Markers
- Ergonomic Design
- CSA Listed
- Pen Offset Compensation Module (Optional)

## Specifications:

Input ranges	1mV to 20V in 14 calibrated steps (1-2-5 sequence)
Variable input	40 to 100% FS
Accuracy	better than 0.3% FS
Non-linearity	better than 0.3% FS
Dead zone	less than 0.2% FS
Input impedance	1 MOhm DC
Input	floating, non symmetric
Maximum input voltage	on input terminals: 42 VDC/30VAC max. between channels: 500 VDC max.
Common mode rejection	130 dB
Zero	adjustable -50% to +150% FS/Polarity reversal switch
Chart speeds	0.1, 0.2, 0.5, 1, 2, 5, 10, 20 mm/min or mm/sec
Power supply	Switch selectable 110V/220V 50/60Hz
Dimensions	380mm (W) x 290mm (D) x 90mm (H)
Weight	3.5 kg

## Ordering Information:

BD111	Single Pen Recorder
BD112	Dual Pen Recorder
BD1512	Pen Offset Compensation Module

### Supplies

#### Chart Paper

XR-9  
XR-9LP

#### 10 Rolls/Box

Chart Rolls, Linear Graduation  
Low Particulate (Suitable for clean room areas)

#### Disposable Pens for Channel I of BD111/112 Recorders

XR12/1	Red	Pack of 6
XR12/2	Blue	Pack of 6
XR12/3	Green	Pack of 6
XR12/4	Black	Pack of 6

#### Disposable Pens for Channel II of BD112 Recorder

XR13	Red	Pack of 6
XR13B	Black	Pack of 6