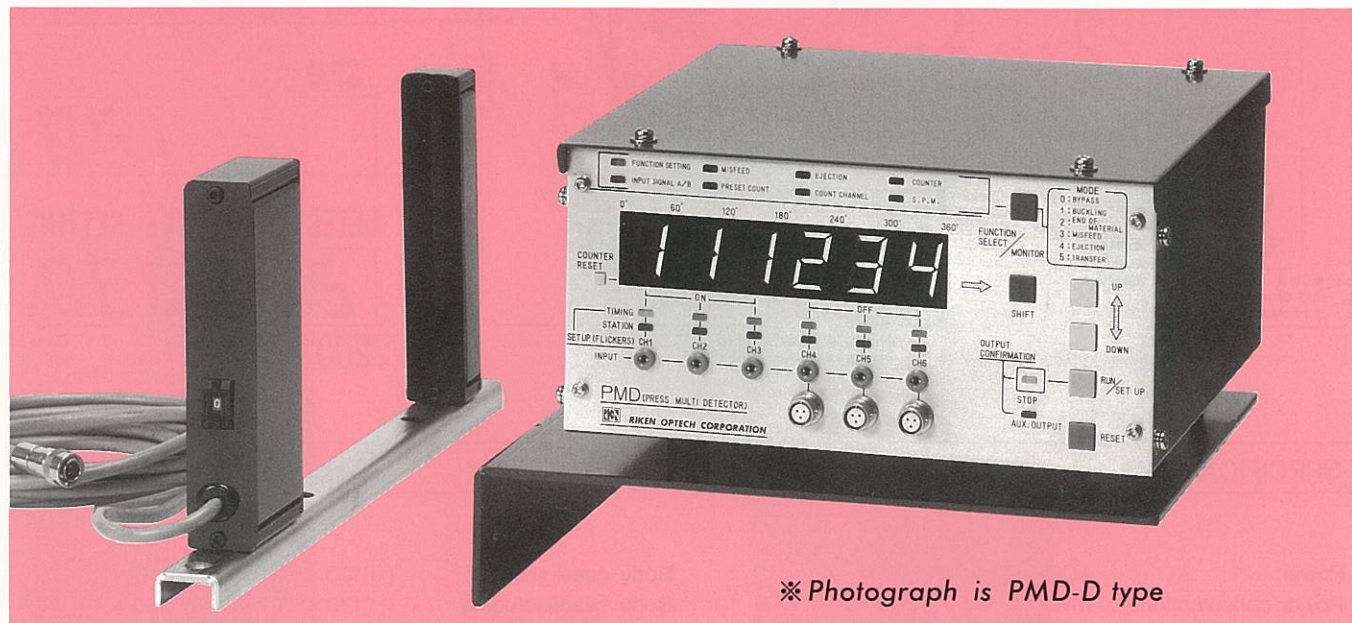


**Highly advanced economical performance and operability in press malfunction detection!!**

# PMD Series

**Multi-Channel Press Malfunction Detector**

PMD (multi channel press malfunction detector) makes possible 2 high-performance multiple monitoring system backed by our long experience and high technology to meet diversified automatic progressive press working needs. A variety of functions incorporated in each channel are available through 2 simple fingertip-touch operation for a desired processing method, thus allowing the formation of required detection system. The multiple detection function monitors the automatic progressive press operation from various angles to prevent breakdown of dies and production of defective parts.



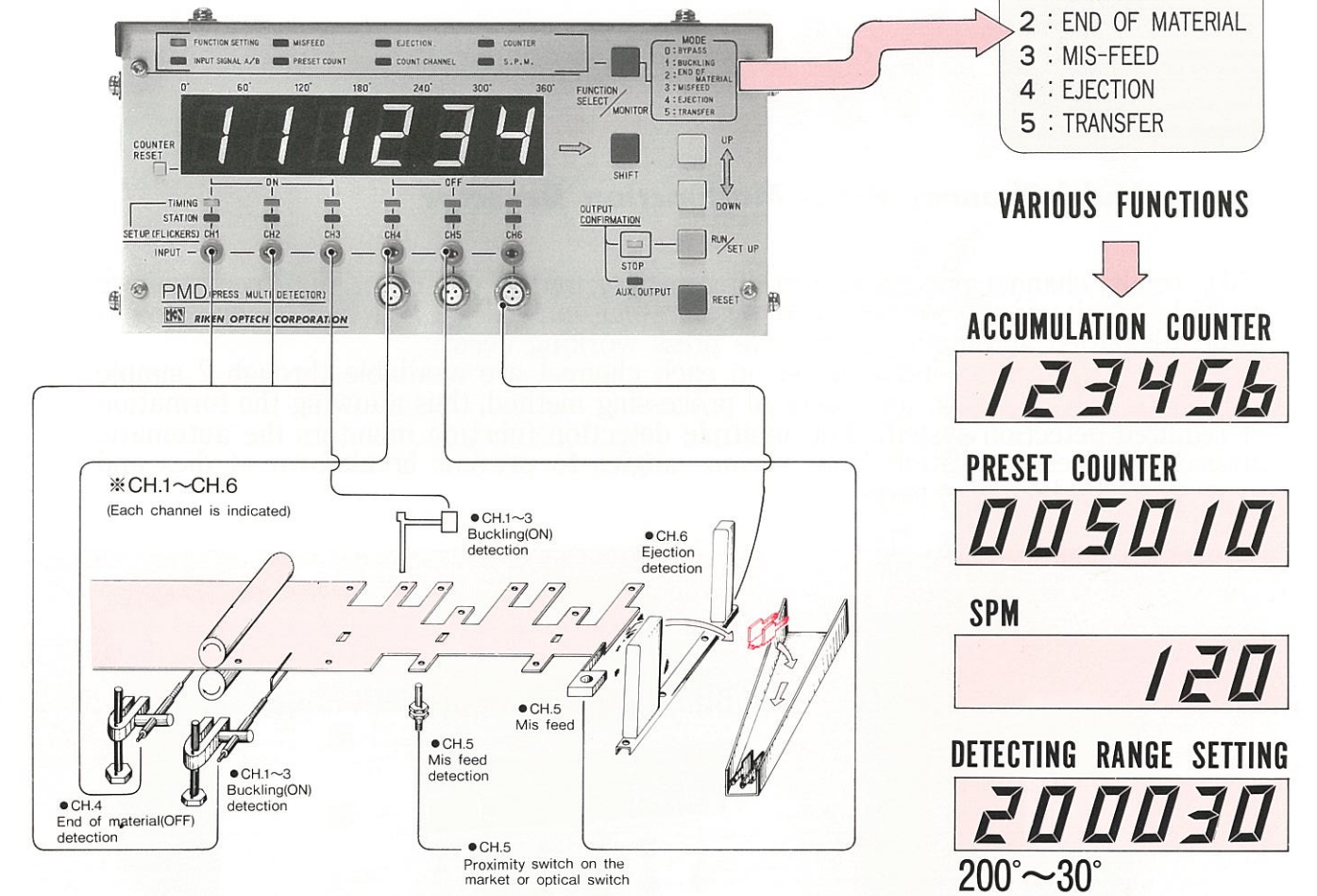
※ Photograph is PMD-D type

## FEATURES:

1. Six channels with five built-in functions.
2. Required functions are available by simple fingertip-touch operation and are set in each channel.
3. A signal from a reference cam allows setting of internal detection timing by degrees for three separate systems (mis-feed, ejection and counter output).
4. A built-in integrating counter and a built-in preset counter permit wider numerical control.
5. An input signal, that can be switched to a press-stroke and a product detecting signal, that ensures more accurate control.
6. A counter output, that can be switched to a timer (one shot) output and a 1/2 (inversion) output, is usable for wider control of peripheral devices.
7. SPM display indicates the number of strokes per minute.
8. A simple fingertip-touch on the monitor button permits confirmation of the detection function preset in each channel and the status of operation.
9. Desired commercial sensors can be connected easily to match the detection applications.

# PMD Malfunction Detector

EXAMPLE OF MALFUNCTION DETECTION



## SPECIFICATIONS

Power:	AC85V~132V 50/60Hz	Body case shape:	(H)120×(D)255×(W)216
Power consumption:	16W	Body case(including fittings):	(H)170×(D)255×(W)250
Control output:	Output contact:1A·1B Contact capacity: AC250V 8A (cos φ=1)	Power interlock output:	Output contact:1A Contact capacity: AC250 3A (cos φ=1)
Auxiliary output:	Output type One-shot/inversion switching system Time for one-shot: 0.1 to 2.4 sec. Output contact:1A·1B Contact capacity: AC250V 8A (cos φ=1)	Ambient temperature:	-50°C~50°C
		Sensor power output:	DC12V 0.5A
		Sensor input power:	10mA
		Sensor response speed:	End of Material:500 msec max.; Others: 1 msec max.
		Backup time:	250hr(10days at24°C)

● Design and specifications are subject to change for improvement without notice

For further information, contact our technical division at the following address:

### RIKEN OPTECH CORPORATION

2-6-9, HIGASHI OHI, SHINAGAWA-KU, TOKYO, 140 JAPAN  
TEL: 81-3-3474-8602 FAX: 81-3-3450-5295

Distributor: