

# DG-M/E Type



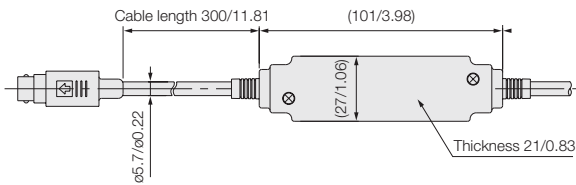
## Outputs

Model	Display connection type						A/B quadrature output type											
	For counter						Power supply output 5V						Power supply 11 to 28V					
	B	BN	BS	BL	F	FL	BM	BNM	BSM	BLM	FLM	FLM	BE	BNE	BSE	BLE	FE	FLE
DG805																		
DG810	B			BL	F	FL	BM			BLM	FM	FLM	BE			BLE	FE	FLE
DG10	BP	BN	BS				BPM	BNM	BSM				BPE	BNE	BSE			
DG25	BP	BN	BS	BL			BPM	BNM	BSM	BLM			BPE	BNE	BSE	BLE		
DG50	BP	BN					BPM	BNM					BPE	BNE				
DG100	BP	BN					BPM	BNM					BPE	BNE				
DG155	BP						BPM						BPE					
DG205	BP						BPM						BPE					
DG110	B						BM						BE					

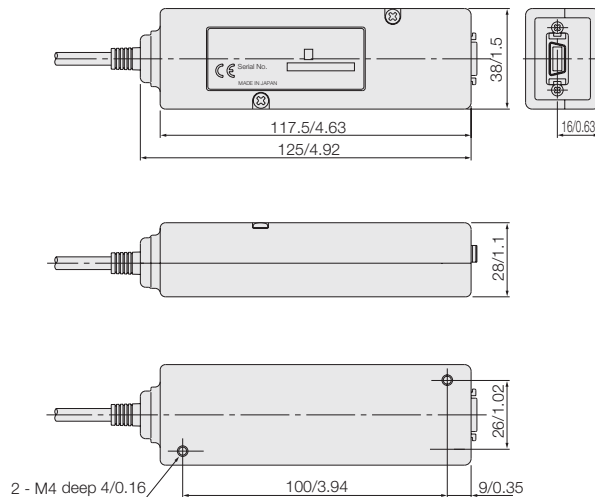
B : Straight BP : Straight/Sealing BN : Straight/Low measuring force BS : L shape/Sealing BL : L shape/Low measuring force F : Straight/Low measuring force/Flange FL : L shape/Low measuring force/Flange

## Dimensions

### Display connection type



### A/B quadrature output type



\*Build to order for A/B quadrature output type.

Unit : mm/inch

## A/B quadrature output type For automatic inspection/measurement in production lines.

- DG-M series for direct AB quadrature output with 5V power supply
- DG-E series for direct AB quadrature output with power supply from 11 to 28V

## Specifications

Model	DG□□□M	DG□□□E
Power supply voltage	DC 5 V ± 5 % (Correspond to remote sensing function)	DC 11 V to 28 V (Correspond to remote sensing function)
Power consumption	300 mA (Maximum)	150 mA (Maximum)
Output interface	Based on EIA-422 (Line driver: AM 26C31 or equivalent)	
Output signal	A/B quadrature signal	
Resolution	0.5, 1, 2, 5, 10 μm (0.00025", 0.0005", 0.001", 0.0025", 0.005") selectable	
Maximum response speed	1 m/s	
Minimum phase difference	200 ns The output phase difference varies with the measuring speed.	
Alarm	A/B quadrature output of this probe turns to high impedance for 10 to 20 ms when excessive speed or cable disconnection alarm occurs. If the cause is removed, the alarm signal is automatically reset.	
Output connector	MDR10214-52A2JL (3M) *	
Dimensions	125 x 28 x 28 (mm) (not including projecting parts)	
Operating temperature	0°C to 40°C / 32°F to 104°F	
Storage temperature	-20°C to 60°C / -4°F to 140°F	
Mass (excl. cable and gauge part)	Approx. 150 g	

\*Cable MDR-10114-3000VE (3M)