Cylinder (Euilt-in Magnet Cylinder)



Realises increase in efficiency with visualisation of air cylinder operation.

I Quantification of cycle time improvements

IN574-95/-73

For reduction of numerical management/adjustment labour when starting up equipment

For reduction of numerical confirmation/inspection labour during periodic maintenance

Example of cycle time measurement



IN574-95/-73

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13 Measurement Modes





Excluding dry cell batteries.
Battery powered: 2A dry cell battery x 2,

continuous use for 15 hours or more.

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* If a button is not operated for 15 min. or more, the power supply will turn off automatically.



Refer to the Auto Switch Guide for the details on the auto switches (3, 4) and the M8/M12 connectors (5, 6).



IN574-95/-73

Specifications Note 1)

Model		IN574-95			
Measurement mode		Speed	Time required for stroke	Operation count (Times)	
Rated measurement range		-1999 to 1999 mm/s	–999.9 to 999.9 s	0 to 999 times	
Minimum display unit		1 mm/s	0.01 s (0.00 to 99.99 s, 0.00 to -99.99 s) 0.1 s (100.0 to 999.9 s, -100.0 to -999.9 s)	1 time	
Measurement accuracy		±20 % or less	±0.2 s or less	—	
Power supply Note 2)		2 x 1.5 V DC 2A alkali dry cell batteries (continuous use for 15 hours or more)			
Applicable cylinder		Built-in magnet			
Environmental resistance	Enclosure	IP40			
	Operating temperature range	Operating: 0 to 40 °C, Stored: –10 to 60 °C (with no freezing or condensation)			
	Operating humidity range	Operating/Stored: 35 to 85 % R.H. (with no condensation)			
	Vibration resistance	10 to 150 Hz at 1.5 mm amplitude or 98 m/s ² acceleration whichever is smaller, in X, Y, Z directions for 2 hrs. each (De-energised)			
	Impact resistance	100 m/s ² in X, Y, Z directions 3 times each (De-energised)			
Weight		Sensor part: 25 g, Body: 65 g (excluding dry cell batteries)			
Standards		RoHS, CE			

Note 1) The above specifications may change depending on the operating environment. Note 2) 2A alkali dry cell batteries are not included, and must be acquired separately.

Dimensions

IN574-95 (Sensor head + Display part)

Wiring

Terminal no.	Description	Note
1	+15 V	—
2	Output signal 1	D-F8N
3	GND	—
4	Output signal 2	D-F8N



Sensor head





Plug connector A-coded (Normal key)



Socket connector A-coded (Normal key)

SMC Corporation

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Speed Measurement Sensor/D-F8N

Power supply voltage	4.5 to 28 V DC		
Current consumption	10 mA or less		
Load voltage	28 V DC or less		
Load current	40 mA or less		
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA)		
Leak current	100 μA or less		
Operating time	1 ms or less		
Indicator light	Red LED is illuminated when turned ON.		
Ambient temperature	–10 to 60 °C		

Applicable Auto Switches for the Time Required for Stroke/ noratio n Count Measurem ont

operation count measurement					
Power supply voltage	14 V DC or less				
Output type	NPN open collector				
ON voltage	2 V or less				
OFF current	100 μA or less				







Display part





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