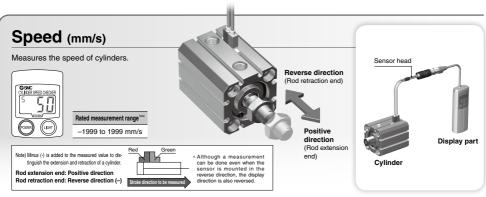
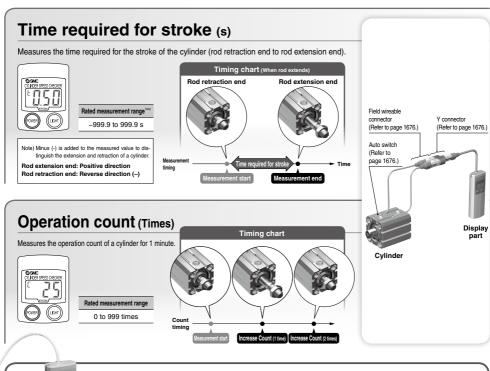
## Cylinder Speed Checker (Built-in Magnet Cylinder)

IN574-95/-73/-98 Series



## 3 Measurement Modes





**D-**□

continuous use for 15 hours or more.

Compact: 40 (Width) x 110 (Height) x 20 (Depth) mm

Lightweight: Approx. 65 g (Body)/25 g (Sensor)

\* Excluding dry cell batteries.

■ Battery powered: 2A dry cell battery x 2,

WE HE

■With auto power-off function\*

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

■With backlight



Display

part

**Cylinder Speed Checker** 

IN574-95/-73/-98



Sensor head + Display part

IN574-95

Sensor head

IN574-73

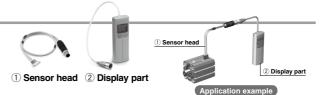
Display part

IN574-98

## Speed Measurement Type

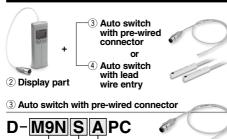
Model IN574-95

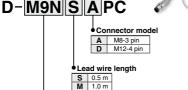
(1) Sensor head + (2) Display part)



Sensor head

### Time Required for Stroke/Operation Count Measurement Type

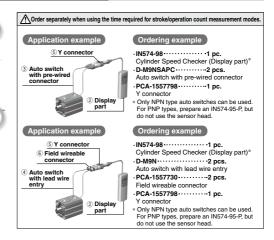




Applicable auto switch				
Output type	Function	Electrical entry	Applicable model	
NPN type	-	Grommet (In-line)	M9N	
		Grommet (Perpendicular)	M9NV	
	2-color	Grommet (In-line)	M9NW	
	indicator	Grommet (Perpendicular)	M9NWV	
	Water	Grommet (In-line)	M9NA	
	resistant	Grommet (Perpendicular)	M9NAV	
PNP type	_	Grommet (In-line)	M9P	
		Grommet (Perpendicular)	M9PV	
	2-color	Grommet (In-line)	M9PW	
	indicator	Grommet (Perpendicular)	M9PWV	
	Water	Grommet (In-line)	M9PA	
	resistant	Grommet (Perpendicular)	M9PAV	

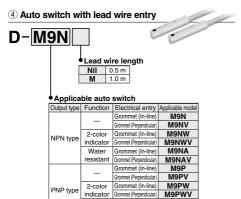
<sup>\*</sup> Please contact SMC for other applicable auto

switches



Refer to pages 1590 to 1649 for the auto switches (3, 4) and Best Pneumatics No.1-1 for the M8/M12 connectors (5, 6).

### Time Required for Stroke/Operation Count Measurement Type



resistant Grommet (Perpendicular) M9PAV

\* Please contact SMC for other applicable auto switches.

Water

\* The lead wire is converted to M8/M12 connector for use.

Grommet (In-line)

M9PA

#### **5** Y connector



PCA-1557798
Two auto switches with M8 connectors can be connected.



Refer to pages 1590 to 1649 for the auto switches (3, 4) and Best Pneumatics No.1-1 for the M8/M12 connectors (5, 6).

# with M8 connectors can be connected.

# M8

# PCA-1557730 Attached to end of the lead wire of the auto switch. Used in combination with



PCA-1557798.

PCA-1557743

Attached to end of the lead wire of the

auto switch. Used

in combination with

PCA-1557785.

\* Note that although it can be connected, the IP65/67 may not be held depending on the assembly method.

6 Field wireable connector

**D-**□



### Specifications Note 1)

Model		IN574-95/IN574-95-P		
Measurement mode		Speed	Time required for stroke	Operation count (Times)
Rated measurement range		-1999 to 1999 mm/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 VDC 2A alkali dry cell batteries (continuous use for 15 hours or more)		
Applicable cylinder Built-in magnet				
	Enclosure	IP40		
ntal Se al	Operating: 0 to 40°C, Stored: -10 to 60°C (with no freezing or condensation)			
Environmental resistance	Operating humidity range	Operating/Stored: 35 to 85% R.H. (with no condensation)		
Vibration 10 to 150 Hz at 1.5 resistance in X,			.5 mm amplitude or 98 m/s² acceleration whichever is smaller, X, Y, Z directions for 2 hrs. each (De-energized)	
	Impact resistance	100 m/s² in X, Y, Z directions 3 times each (De-energized)		ergized)
Weight	sht Sensor part: 25 g, Body: 65 g (excluding dry cell batteries)		atteries)	
Standa	ndards 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.

#### Speed Measurement Sensor/D-F8N, D-F8P

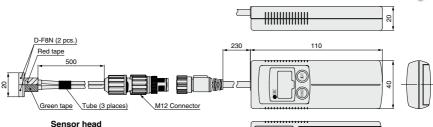
Model	D-F8N	D-F8P
Power supply voltage	4.5 to 28 VDC	
Current consumption	10 mA or less	
Load voltage	28 VDC or less	_
Load current	40 mA or less	80 mA or less
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA)	0.8 V or less
Leak current 100 μA or		or less
Operating time	1 ms or less	
Indicator light Red LED is illuminated when turned		ed when turned ON.
Ambient temperature −10 to 60°C		60°C

### Applicable Auto Switches for the Time Required for Stroke/ **Operation Count Measurement**

Power supply voltage	14 VDC or less	
Output type	NPN open collector	
ON voltage	2 V or less	
OFF current	100 μA or less	

#### **Dimensions**

IN574-95/IN574-95-P (Sensor head + Display part)



#### Wiring

Terminal no.	Description	Note
1	+15 V	_
2	Output signal 1	D-F8N/D-F8P
3	GND	_
4	Output signal 2	D-F8N/D-F8P











Display part

D-□