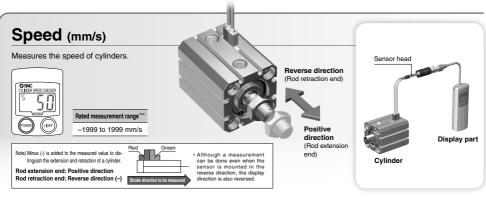
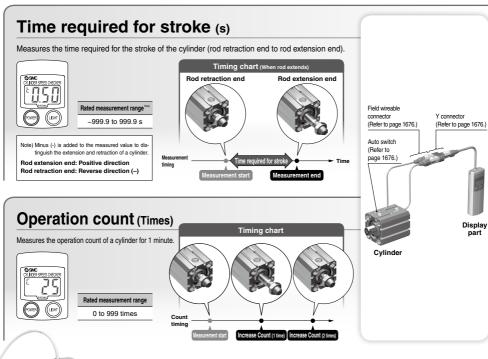
# Cylinder Speed Checker (Built-in Magnet Cylinder)

IN574-95/-73/-98 Series







■ 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,

continuous use for 15 hours or more.

■With backlight

■With auto power-off function\*

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

D-□





# **Cylinder Speed Checker**

IN574-95/-73/-98



Sensor head + Display part

IN574-95

Sensor head

IN574-73

Display part

IN574-98

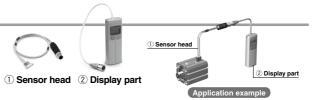
# Display Sensor head part

## Speed Measurement Type

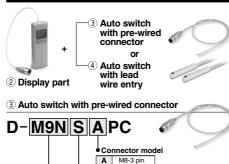
Model

IN574-95

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



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

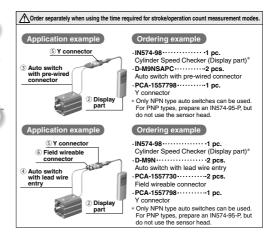


S 0.5 m M 1.0 m

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

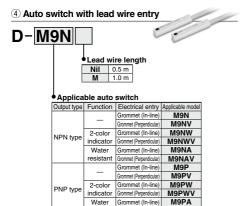
**D** M12-4 pin

Lead wire length



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

## Time Required for Stroke/Operation Count Measurement Type



\* Please contact SMC for other applicable auto switches

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

resistant Grommet (Perpendicular) M9PAV

#### ⑤ Y connector



# PCA-1557798

Two auto switches with M8 connectors can be connected.



#### 6 Field wireable connector



#### 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.

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).

D-□





# Specifications Note 1)

Me	odel	IN574-95/IN574-95-P		
Measure	ment mode	Speed	Time required for stroke	Operation count (Times)
Rated meas	urement 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 VDC 2A alkali dry cell batteries (continuous use for 15 hours or more)		
Applicable cylinder		Built-in magnet		
	Enclosure	IP40		
ental Se	Operating temperature range	Operating: 0 to 40°C, Stored: -10 to 60°C (with no freezing or condensation)		
the part of the pa		Operating/Stored: 35 to 85% R.H. (with no condensation)		
Enzi	Vibration resistance	10 to 150 Hz at 1.5 mm amplitude or 98 m/s² acceleration whichever is smaller, in X, Y, Z directions for 2 hrs. each (De-energized)		
	Impact resistance	100 m/s <sup>2</sup> in X, Y, Z directions 3 times each (De-energized)		
Weight Sensor part: 25 g, Body: 65 g (excluding dry cell batteries)		atteries)		
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.

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

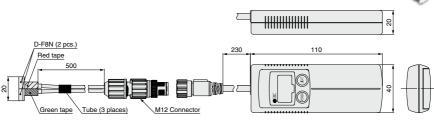
Model	D-F8N	D-F8P
Power supply voltage	4.5 to 28 VDC	
Current consumption	rrent consumption 10 mA or less	
Load voltage	28 VDC or less	_
Load current	40 mA or less	80 mA or less
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA)	0.8 V or less
Leak current	100 μA or less	
Operating time	1 ms or less	
Indicator light	Red LED is illuminated when turned ON.	
Ambient temperature −10 to 6		.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)



# Sensor head

#### 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







Socket connector A-coded (Normal key)



Display part

D-□

