# Cylinder Speed Checker (Built-in Magnet Cylinder)



RoHS

3 measurement modes Speed (mm/s)

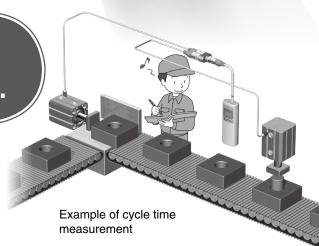
Time required for stroke (s)

Operation count (Times)



Realizes increase in efficiency with visualization of air cylinder operation.

- Quantification of cycle time improvements
- For reduction of numerical management/adjustment labor when starting up equipment
- For reduction of numerical confirmation/inspection labor during periodic maintenance

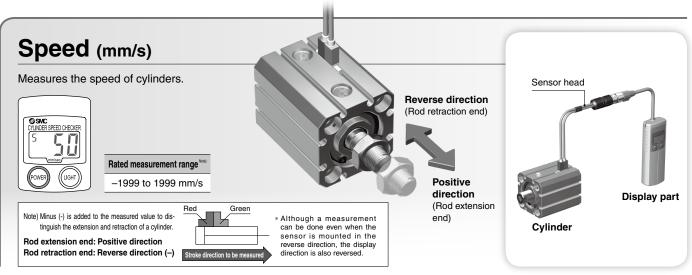


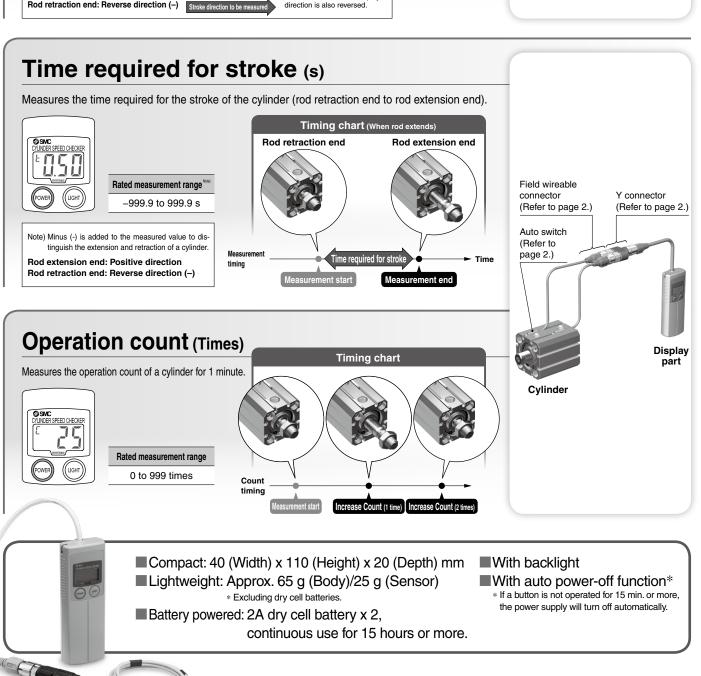
IN574-95/-73



14-F641

## ■3 Measurement Modes







**Cylinder Speed Checker** 



IN574-95/-73

**How to Order** 

Sensor head + Display part

IN574-95

Sensor head

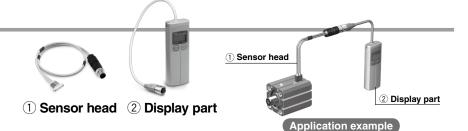
IN574-73



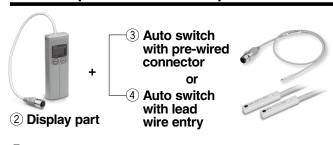
### Speed Measurement Type

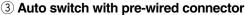
Model IN574-95

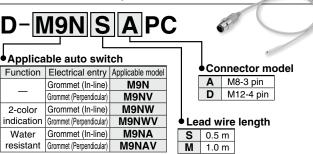
(1) Sensor head + 2 Display part)



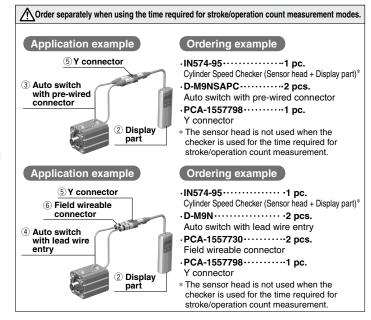
### Time Required for Stroke/Operation Count Measurement Type



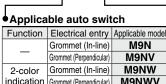




\* Please contact SMC for other applicable



## Auto switch with lead wire entry



indication Grommet (Perpendicular) M9NWV M9NA Water Grommet (In-line) M9NAV resistant Grommet (Perpendicular)

0.5 m 1.0 m

Lead wire length

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

#### (5) Y connector



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



#### PCA-1557785 Two auto switches with M12 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.

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

# 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 VDC 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/s² acceleration whichever is smaller, in 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)		
Weight		Sensor part: 25 g, Body: 65 g (excluding dry cell batteries)		
Standards		RoHS, CE		

#### Speed Measurement Sensor/D-F8N

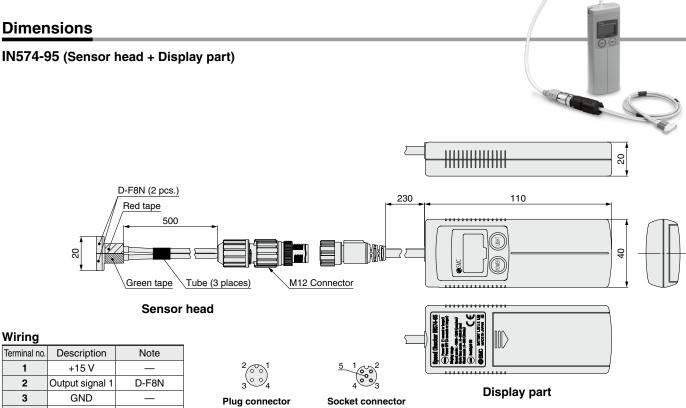
Power supply voltage	4.5 to 28 VDC
Current consumption	10 mA or less
Load voltage	28 VDC or less
Load current	40 mA or less
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA)
Leak current	100 μA or less
Operating time	1 ms or less
Indicator light	Red LED is illuminated when turned ON.
Ambient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

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

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

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.

IN574-95 (Sensor head + Display part)



A-coded (Normal key)

Output signal 2

D-F8N

A-coded (Normal key)

Wiring Terminal no.

2

3

4