# Cylinder Speed Checker (Built-in Magnet Cylinder)

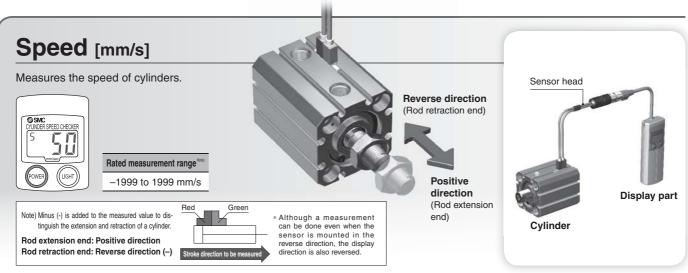


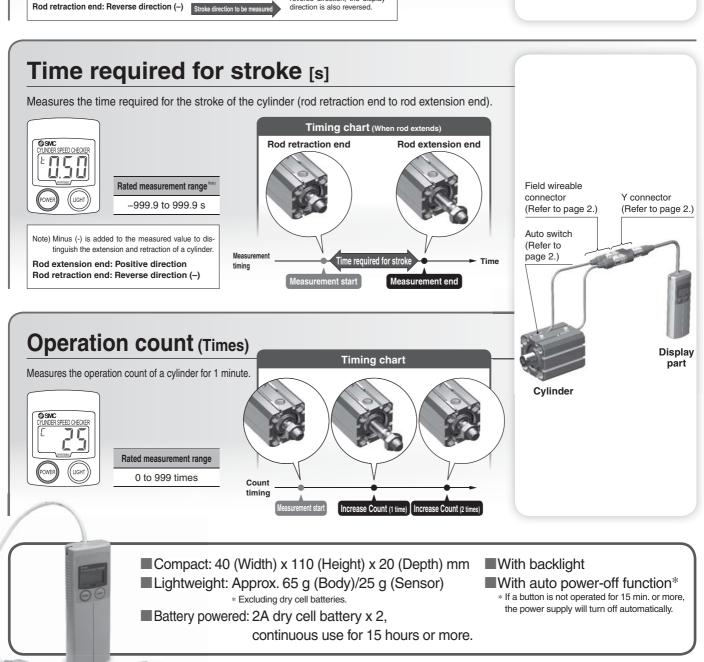


IN574-95/-73



## ■3 Measurement Modes







**Cylinder Speed Checker** 

IN574-95/-73

**How to Order** 

Sensor head + Display part N574-95

Sensor head

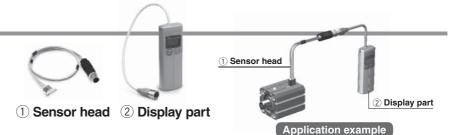
IN574-73



#### **Speed Measurement Type**

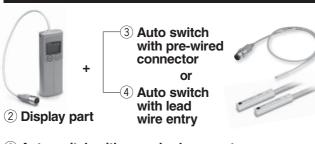
Model IN574-95

(1) Sensor head + 2 Display part)

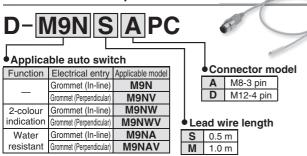


#### Time Required for Stroke/Operation Count Measurement Type

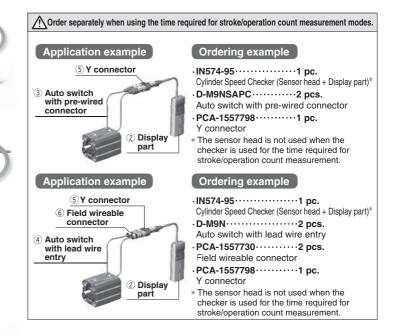
Lead wire length 0.5 m







\* Please contact SMC for other applicable



#### (4) Auto switch with lead wire entry



Function	Electrical entry	Applicable model
_	Grommet (In-line)	M9N
	Grommet (Perpendicular)	M9NV
	Grommet (In-line)	
indication	Grommet (Perpendicular)	M9NWV
Water	Grommet (In-line)	M9NA
resistant	Grommet (Perpendicular)	M9NAV

\* Please contact SMC for other applicable

\* 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.



M12

#### 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.

#### **Specifications** Note 1)

M	odel	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)		
Applicab	cable cylinder Built-in magnet			
	Enclosure	IP40		
Operating: 0 to 40 ° (with no freezing)		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)		
Envi	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-energised)		
	Impact resistance	100 m/s² in X, Y, Z directions 3 times each (De-energised)		
Weight	ight Sensor part: 25 g, Body: 65 g (excluding dry cell batteries)		atteries)	
Standa	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

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/ **Operation Count Measurement**

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

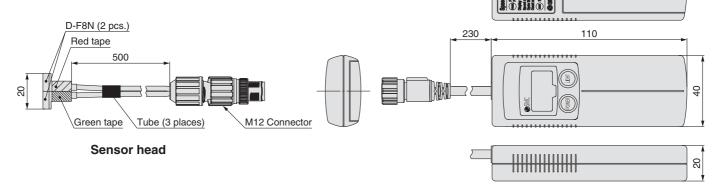
Display part

### **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







Socket connector Plug connector A-coded (Normal key) A-coded (Normal key)

# **SMC** Corporation

**SMC CORPORATION** 

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