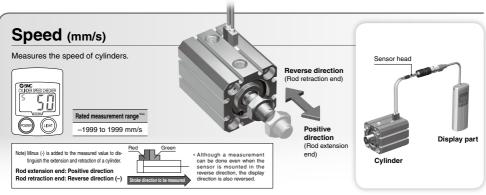
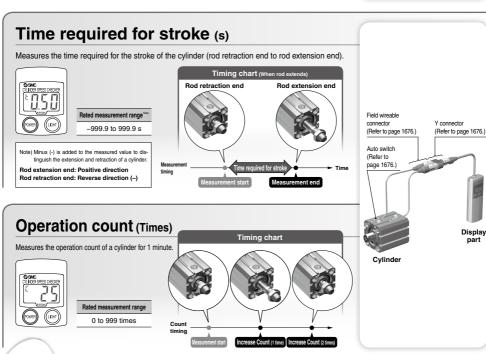
Cylinder Speed Checker (Built-in Magnet Cylinder)

IN574-95/-73 Series



■3 Measurement Modes







- 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



Sensor head + Display part

Sensor head

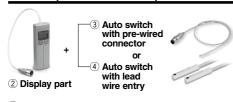
Speed Measurement Type

Model IN574-95

(1) Sensor head + 2 Display part)



Time Required for Stroke/Operation Count Measurement Type



3 Auto switch with pre-wired connector



Grommet (In-line) resistant Grommet (Perpendicular) M9NAV * Please contact SMC for other applicable



Lead wire length **S** 0.5 m M 1.0 m

> Nil 0.5 m

> > 1 0 m

auto switc	hes.		
④ Auto	switch wit	h lead wir	e entry
D-[\	/19N		-
• Applica	∟ ble auto swit	tch	
Function	Electrical entry	Applicable model	
	Grommet (In-line)	M9N	

M9NV

M9NW

M9NWV

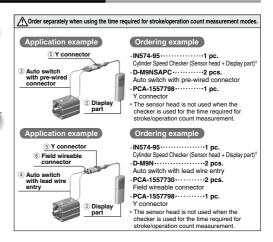
Grommet (In-line) resistant Grommet (Perpendicular) M9NAV * Please contact SMC for other applicable

Grommet (Perpendicular)

Grommet (In-line)

Grommet (Perpe

* 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.

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).

2-color

indicator

Water

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) Applicable cylinder		2 x 1.5 VDC 2A alkali dry cell batteries (continuous use for 15 hours or more)		
		Built-in magnet		
	Enclosure	IP40		
ntal Se	Operating temperature range	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)		
E E	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	i i	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.

Speed Measurement Sensor/D-F8N

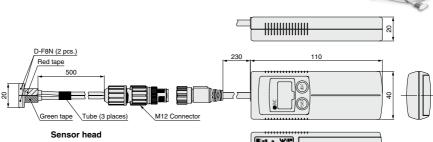
Power supply voltage	4.5 to 28 VDC	
Current consumption	10 mA or less	
Load voltage	28 VDC or less	
Load current	40 mA or less	
Internal voltage drop	1.5 V or less (0.8 V or less at 10 mA)	
Leak current	100 μA or less	
Operating time	1 ms or less	
Indicator light	Red LED is illuminated when turned ON.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

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

operation	O O di il il il o do di i o i il o i il
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 (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



Plug connector A-coded (Normal key)



Socket connector A-coded (Normal key)



Display part



