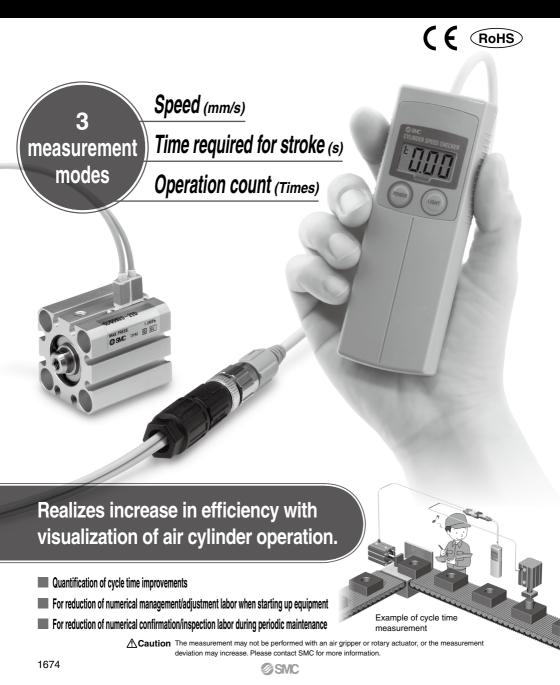
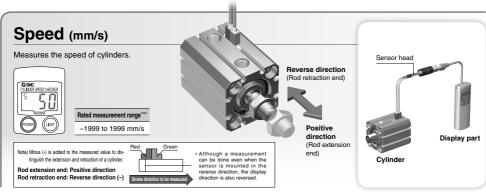
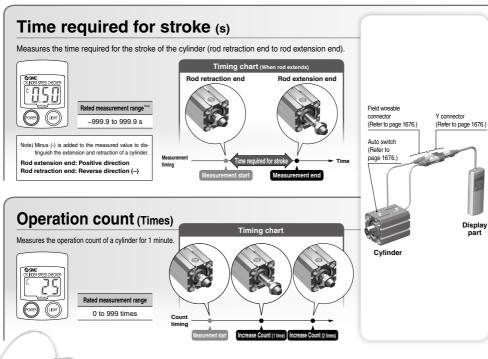
# Cylinder Speed Checker (Built-in Magnet Cylinder)

IN574-95/-73 Series









- 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.







**Cylinder Speed Checker** 

IN574-95/-73



Sensor head + Display part

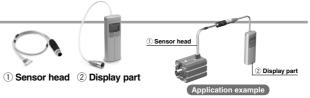
Sensor head

IN574-73

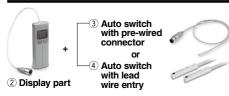
# **Speed Measurement Type**

Model IN574-95

(1) Sensor head + 2 Display part)



## Time Required for Stroke/Operation Count Measurement Type



3 Auto switch with pre-wired connector



| Function  | Electrical entry        | Applicable model |
|-----------|-------------------------|------------------|
| _         | 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            |
| . Di      |                         |                  |

Please contact SMC for other applicable auto switches.

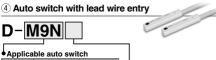
| Co            | nnector mo | odel |
|---------------|------------|------|
| Α             | M8-3 pin   |      |
| $\overline{}$ | M10 4 pip  |      |

Lead wire length S 0.5 m M 1.0 m

> Lead wire length Nil 0.5 m

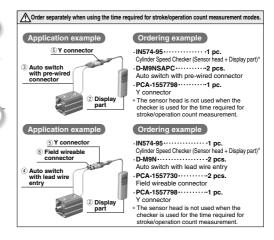
1 0 m





| Applicable auto switch |                         |                  |
|------------------------|-------------------------|------------------|
| Function               | Electrical entry        | Applicable model |
| _                      | Grommet (In-line)       | M9N              |
|                        | Grommet (Perpendicular) | M9NV             |
|                        | Grommet (In-line)       | M9NW             |
| indicator              | Grommet (Perpendicular) | M9NWV            |
| Water resistant        | Grommet (In-line)       | M9NA             |
|                        | 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.



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)

| Me   | odel                           | IN574-95  |  |                         |
|--|--------------------------------|---|--|-------------------------|
| 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<br>display unit                          |                                | 1 mm/s  | 0.01 s (0.00 to 99.99 s, 0.00 to -99.99 s)<br>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 |                                | ±0.2 s or less  | _  |                         |
| Power su   | upply Note 2)                  | 2 x 1.5 VDC 2A alkali dry cell batteries<br>(continuous use for 15 hours or more)   |  |                         |
| Applicab   | le cylinder                    | Built-in magnet   |  |                         |
|  | Enclosure                      | re IP40   |  |                         |
| ental<br>ce                                      | Operating<br>temperature range | Operating: 0 to 40°C, Stored: -10 to 60°C<br>(with no freezing or condensation)   |  |                         |
| Environmental<br>resistance                      | Operating humidity range       | Operating/Stored: 35 to 85% R.H.<br>(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   | /s² in X, Y, Z directions 3 times each (De-en  | ergized)                |
| Weight   |                                | Sensor part: 25 g, Body: 65 g (excluding dry cell batteries)  |  |                         |
| Standa   | ırds                           | 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

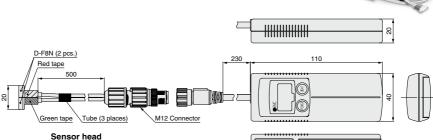
| Power supply voltage  | 4.5 to 28 VDC                             |  |
|-----------------------|---|--|
| Current consumption   | 10 mA or less                             |  |
| Load voltage          | 28 VDC or less                            |  |
| Load current          | 40 mA or less                             |  |
| 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       | ht 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 ocum modearcinem |                    |  |
|----------------------------|--------------------|--|
| 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

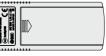
| Terminal no. | Description     | Note  |
|--------------|-----------------|-------|
| 1            | +15 V           | _     |
| 2            | Output signal 1 | D-F8N |
| 3            | GND             | _     |
| 4            | Output signal 2 | D-F8N |



Plug connector A-coded (Normal key)



Socket connector A-coded (Normal key)



Display part

D-□

