



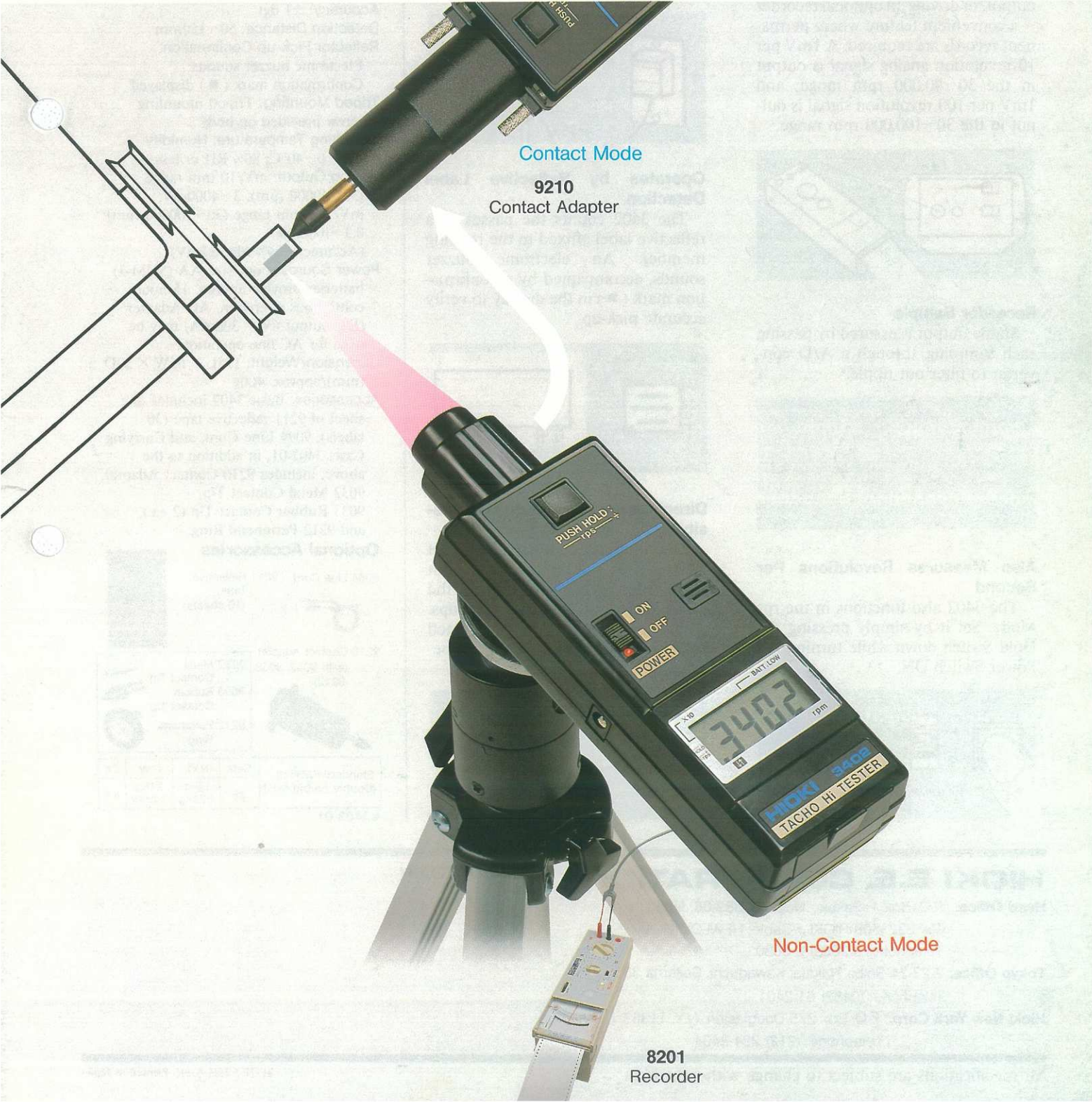
3402 TACHO HI TESTER

Portable flexibility

3402

Non-Contact Contact operation via optional adapter

Double-Duty, Recorder Compatible Tachometer



Contact Mode

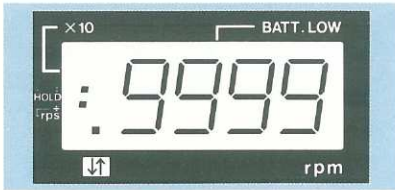
9210
Contact Adapter

Non-Contact Mode

8201
Recorder

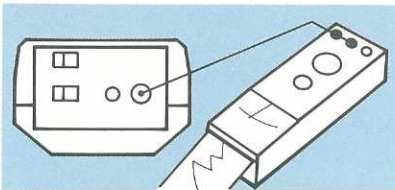
Superb Accuracy—Extremely Wide Range

The 3402 covers revolving speeds ranging from 30 to 99,990 rpm with an accuracy of ± 1 digit. The Liquid Crystal Display is extra large for easy visibility, and is provided with a Hold Function for readability.



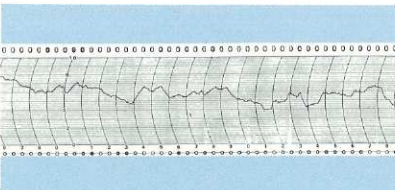
Recorder Output

The 3402 produces a DC analog output for driving an optional recorder — a convenient feature where permanent records are required. A 1mV per 10 revolution analog signal is output in the 30~40,000 rpm range; and 1mV per 100 revolution signal is output in the 30~100,000 rpm range.



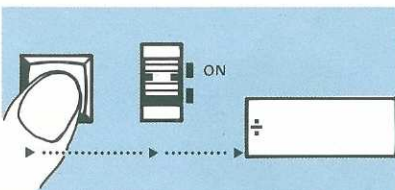
Recorder Sample

Stable output is assured by passing each sampling through a A/D converter to filter out ripple.



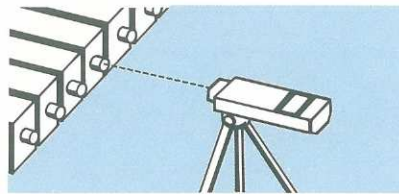
Also Measures Revolutions Per Second

The 3402 also functions in the rps Mode. Set it by simply pressing the Hold Switch down while turning the Power Switch ON.



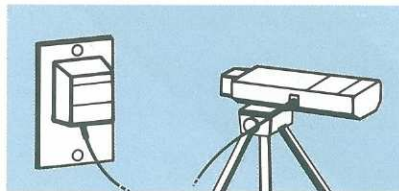
Tripod Mounting

The tachometer may be mounted directly on a standard tripod for security and convenience.



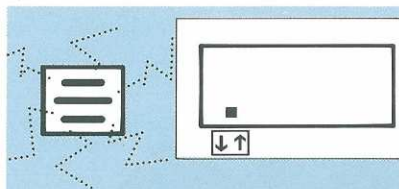
AC Line Operation

The AC Adapter jack (DC output 6V – 300mA) may be used to operate the 3402 off regular AC line voltage. Recommended for long-term measurements and recording applications.



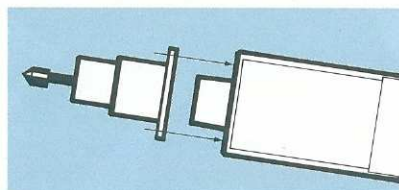
Operates by Reflective Label Detection

The 3402 counts the passes of a reflective label affixed to the rotating member. An electronic buzzer sounds, accompanied by a confirmation mark (■) in the display to verify accurate pick-up.



Direct Contact Operation Also Possible

Mounting the optional contact adapter over the optical sensor unit permits the 3402 to be operated in the direct contact mode using contact tips. And accurate conveyor line speed measurement is possible via the peripheral ring attachment.



Specifications

Display: 4-digit LCD (9999); Other display information: (X 10) symbol, Reflector Pick-up Confirmation Mark (■), BATT Low, Hold Mark, rps Mode

Ranging: Automatic

Sampling Rate: 0.7~2s

Data Hold: Pushbutton switch operation
Overrange Display: (1) in MSD column appears

Measurement Range:

| Mode | Range |
|----------|--|
| rpm Mode | 30.0~999.9, 1000~9999 1000~9999 × 10 (Less than 30 rpm: 0.0 displayed) |
| rps Mode | 0.50~99.99, 100.0~999.9 1000~1600 (Less than 0.5 rps: 0.0 displayed) |

Contact Operation Range: 30.0~20000 rpm

Accuracy: ± 1 dgt

Detection Distance: 50~150mm

Reflector Pick-up Confirmation:

Electronic buzzer sounds;

Confirmation mark (■) displayed

Tripod Mounting: Tripod mounting screw provided on body

Operating Temperature, Humidity

Range: 0~40°C; 80% RH or less

Analog Output: mV/10 rpm range (30~40000 rpm): 3~4000mV;
mV/100 rpm range (30~100000 rpm): 0.3~1000mV

(Accuracy: $\pm 4\%$ rdg. ± 2 mV)

Power Source: Four size AA (SUM-3)

batteries provide approx. 15 hours

continuous operation. AC Adapter

(DC output 6V – 300mA) may be used for AC line operation.

Dimension/Weight: 195L × 65W × 50D (mm)/approx. 400g

Accessories: Basic 3402 includes one sheet of 9211 reflective tape (30 labels), 9094 Line Cord, and Carrying Case. 3402-01, in addition to the above, includes 9210 Contact Adapter, 9032 Metal Contact Tip, 9033 Rubber Contact Tip (2 ea.), and 9212 Peripheral Ring.

Optional Accessories

9094 Line Cord 9211 Reflective Tape (10 sheets)



9210 Contact Adapter (with 9032, 9033 9212)



9032 Metal Contact Tip
9033 Rubber Contact Tip
9212 Peripheral Ring

| Standard Packing (Double carton box) | Sets | N.W. | G.W. | Cft |
|--------------------------------------|------|---------------|---------------|-----|
| | 25 | 18kg *21kg | 21kg *24kg | 4.5 |

*3402-01

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