

# Integrating the Pocket Compass into a Laser Distance Meter

Distance can be measured through the collimating telescope

**NEW**

Laser distance meter-tipped Pocket Compass

## PocoRay

**PocoRay** is a small, portable laser distance meter-carrying compass. It is Ushikata's latest entry in the best-selling Pocket Compass series.

The laser distance meter can measure distances quickly and accurately, eliminating the need for equipment such as measuring tapes and other such systems.

**PocoRay** is user-friendly, with a compact and lightweight design. Experienced Ushikata compass users can operate it easily and without worry, and without the need to learn new procedures.

If your other larger equipment is too risky or difficult to use in deep forests, sharp inclines in mountains or valleys, or on unstable grounds, the **PocoRay** is a great choice.

### Main features

- Measuring range: 50m (reflectorless) 150m (with reflector)
- 1,120g including batteries
- Battery life: 10,000 shots available
- Speed : Quick measurement for 0.5 sec at shortest
- Collimating telescope: 12× erect image
- The magnetic needle is made out of titanium alloy. The magnetic induction damper ensures quick tremble controlling.

- ※ 1 Depends on the environment
- ※ 2 Two Size AA alkaline cells in use
- ※ 3 Shortest time at single measurement (depends on the environment)



**Ushikata Mfg.Co.,Ltd.**  
[www.ushikata.co.jp](http://www.ushikata.co.jp)



# Ushikata SURVEYING COMPASS < PocoRay >

*Its evolution and devolution*

Our technology has been cultivated for years.  
Now it has been integrated with a compact laser distance meter.  
The PocoRay will make your survey more swift and accurate.

Compact laser distance meter mounted  
on the telescope collimated

Simple operation keys

Collimating telescope (12× erect)

Focusing dial

Magnetic needle (Inside dia.70mm)

Vertical vernier control (pinion)

Power: Size AA cell  
(rechargeable cell usable)

Main body including batteries : 1,120g

Carrying case

Red light semiconductor laser



<Specifications> Pocket Compass model S-28 is adopted as the main body of PocoRay.

Compass circle	Dia.=70mm 1°	Measuring range	0.2 ~ 150m *2
Magnetic needle	Induction damper employed	Measuring accuracy	±1cm
Vertical circle	semi-circle, 1°	Resolution in range	1cm
Telescope	irreversible, erect, 12×	Laser power	< 1mW
Power	Size AA cell (2pieces) *1	Wavelength	650nm (red)
Weight (main body)	1,120g including batteries	Laser class	2
Weight (case)	920g	Measuring time	0.5 ~ 6 seconds *3 *4

\*1 Manganese cells not usable.

\*2 May depend on target's reflective property and environmental condition.

\*3 Time required for single measurement. It should be 0.1 ~ 6 seconds at continuous measurement.

\*4 The measuring time may depend on various measuring conditions.