

Water Rating Definitions

We rigorously test our devices to make sure they'll survive the activities for which they were designed. You should note that even if a device is above a depth it is rated for, it might still suffer water ingress if it is subjected to an activity that creates pressure on it that exceeds that depth rating.

| Water Rating | Definition | Suitable |
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| IP65 | Withstands ingress of dust (dust-tight); vacuum must be applied. Protected against low-pressure jets of water. Water projected at all angles through a 6.3 mm nozzle at a flow rate of 12.5 liters/min at a pressure of 30 kN/m ² for 3 minutes at a distance of 3 meters | light spray, rain, outdoor use in moderate sea conditions |
| IP67 | Dust tight. Withstands ingress of dust with vacuum applied. Withstands incidental exposure to water of up to 1 meter for up to 30 minutes. | splashes, rain or snow, dusty environments, showering |
| IPX3 | Water spraying up to 60 degrees from vertical at a pressure of 100kN/m ² for 5 minutes | sprays, light rain |
| IPX6 | Protected against powerful jets of water. Water projected at all angles through a 12.5 mm nozzle at a flow rate of 100 liters/min at a pressure of 100 kN/m ² for 3 minutes from a distance of 3 meters | heavy spray, driving rain, boat washing, outdoor use in rough sea conditions |
| IPX7 | Withstands incidental exposure to water of up to 1 meter for up to 30 minutes | splashes, rain or snow, showering |
| IPX8 | Can be submerged to greater than 1 meter with the exact depth to be defined by the manufacturer. The depth is uniquely defined for each product and can be found on the product page. | Temporary submersion |
| 1 ATM | Withstands pressures equivalent to a depth of 10 meters | splashes, rain or snow, showering |

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| 3 ATM | Withstands pressures equivalent to a depth of 30 meters | splashes, rain or snow, showering, jumping into water |
| 5 ATM, Swim | Withstands pressures equivalent to a depth of 50 meters | splashes, rain or snow, showering, swimming, diving into water, snorkeling |
| 10 ATM | Withstands pressures equivalent to a depth of 100 meters | splashes, rain or snow, showering, swimming, diving into water, snorkeling, high-speed water sports |
| 20 ATM | Withstands pressures equivalent to a depth of 200 meters | splashes, rain or snow, showering, swimming, diving into water, snorkeling, high-speed water sports |
| Dive (up to stated depth in meters) | Tested to engineering standard EN13319 for dive compliance | Scuba diving, snorkeling, and high-speed water sports |