

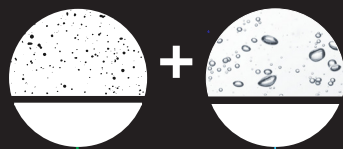
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WHAT IS AN IP RATING?

The IP Rating or 'Ingress Protection' Rating defines the levels of sealing effectiveness of electrical enclosures against intrusion from moisture and foreign bodies. IP Ratings are an important indicator of how protected the electrical enclosures will be in a particular operating environment.

WHAT DO THE IP RATING NUMBERS MEAN?

The numbers that follow IP each have a specific meaning. The first indicates the level of protection from foreign bodies (tools, dirt etc). The second defines the protection level from various forms of moisture (drips, sprays, submersion etc).



IP 6 5

**PROTECTED AGAINST WATER.
INGRESS OF DUST WATER**

NO INGRESS OF DUST PARTICLES

IP1



Protected against solid bodies greater than 50 mm (eg. involuntary hand contact)

IP2



Protected against solid bodies greater than 12 mm (eg. fingers)

IP3



Protected against solids bodies greater than 2.5 mm (eg. tools, cables)

IP4



Protected against solids bodies greater than 1 mm (eg. small tools, fine cables...)

IP5



Fully Protected against dust

IP6



Protected against dust (no harmful deposits)

IP1



Protected against dripping water (condensation)

IP2



Protected against falling water up to 15° from the vertical

IP3



Protected against rain water up to 60° from the vertical

IP4



Protected against water splashing in all directions

IP5



Protected against water jets from all directions

IP6



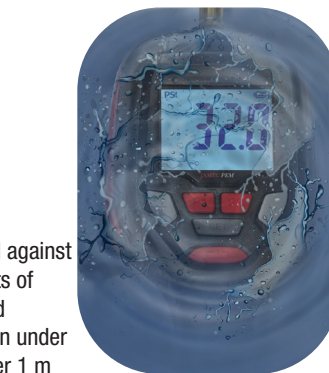
Protected against wave-like water jets from all directions

IP7



Protected against immersion up to 1m

IP8



Protected against the effects of prolonged immersion under water over 1 m

IP RATING REFERENCE CHART FIRST NUMERAL: FOREIGN BODIES

IP RATING REFERENCE CHART SECOND NUMERAL: MOISTURE