

## Fiber loop sensors

### Description

Arcteq has developed different types of arc sensors that are usable with different AQ 100 series devices. They are all compatible with different types of switchgear according to the specific application requirements. The available sensor types are arc light point sensors (AQ-01 and AQ-02) and arc light fiber optic loop sensors (AQ-06, AQ-07 and AQ-08).



There are three types of fiber loop sensors:

- AQ-06, a plastic fiber loop sensor.
- AQ-07, a glass fiber loop sensor.
- AQ-08, a glass fiber loop sensor for high temperature applications.

## Technical data

### AQ-06 FIBER OPTIC LOOP SENSOR

Material: plastic fiber  
Light intensity threshold: 8,000 lx  
Detection radius: 360 degrees  
Cable length: 3...40 m  
Cable diameter: 1.0 mm  
Bending radius: 5 cm  
Operating temperature: -40...+85 °C

### AQ-07 FIBER OPTIC LOOP SENSOR

Material: covered glass fiber  
Light intensity threshold: 8,000 lx  
Detection radius: 360 degrees  
Cable length: 3...50 m  
Cable diameter: 1.2 mm  
Bending radius: 1 cm  
Operating temperature: -40...+85 °C

### AQ-08 FIBER OPTIC LOOP SENSOR

Material: covered glass fiber  
Light intensity threshold: 8,000 lx  
Detection radius: 360 degrees  
Cable length: 3...15 m  
Cable diameter: 1.2 mm  
Bending radius: 1 cm  
Operating temperature: -40...+125 °C

