

## Operation of drainage systems - Camera inspection with the MiniLite from IBAK

### The following equipment must be brought along:

- Safety shoes (S3)
- Personal protective equipment (jacket, trousers, etc.)
- Leather gloves, rubber gloves

Gloves with holes or fingerless gloves are not permitted!

### Description

The team has the task of checking a house connection pipe for damage and carrying out a visual leak test.

To do this, the MiniLite must be put into operation in accordance with the applicable safety rules and operating instructions. The execution time and quality of the work will be evaluated.

The team has 5 minutes to prepare.

The team captain can interrupt the preparation time at any time in the event of disruptions by lodging an objection with the head referee. In the event of an objection, all activities by the team must be stopped immediately. The preparation time is interrupted until the disruption has been remedied and the preparation time is restarted by the team captain's command.

The team captain gives the start and stop commands. The time is measured using two independent stopwatches. The team captain may interrupt the competition at any time in the event of disruptions by lodging an objection with the chief referee. In this case, one of the stopwatches is stopped while the other continues to run. Once the disruption has been resolved and the team captain has given the re-start command, the second stopwatch is restarted.

### Preparation

The team is allowed to check all equipment for five minutes. The equipment may not be installed during the preparation time. All equipment must be within the marked area at the end of the preparation time.

The team captain informs the examiners which team member is carrying out the inspection and who is the supervisor. This must be recorded in writing in the MiniLite system.

Before the end of the preparation time, all team members must go to the marked starting area.

The examiners will not answer any questions during the preparation period; these can be asked before the start of the competition.

During the preparation time, a team member must check that the MiniLite computer is working properly and enter the names of the participants and the work location.

### **Execution**

1. The team members start the competition behind the starting line.
2. The team captain gives the command "Start" to begin the competition.
3. The team assembles the camera according to the operating instructions.
4. The camera is then removed from the case and assembled correctly.
5. The camera is switched on and the software is started.
6. Push the camera through the entire pipe course (including bends) and check for damage, e.g. socket misalignment, shattering, cracking, deformation, etc.
7. Find any "damage" in the pipe and document it correctly in the software.
8. The team members store the clean equipment "in the designated area". Dismantle the frame (including the battery on the charging station). Dismantle the camera (return it to the case properly).
9. The clock stops when all team members are behind the starting line and the team captain gives the "stop" command.
10. No further activities may be carried out after the stop command.
11. All team members remain in the starting area until the jury dismisses them.

### **Notes on the assessment of the task**

The quality and execution time of the work will be assessed.

### **Literature:**

1. MiniLite instructions from IBAK
2. Description of damage?