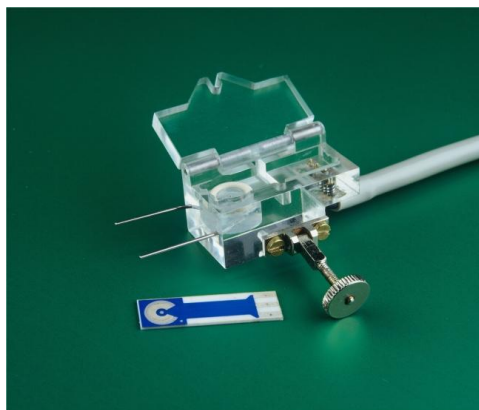


FLOW CELL

Type: FC3.*

Description:

The flow cell enables the use of AC1, AP1, CC1 sensor in a flow through arrangement. The sensor is inserted into the slit of cell and tightened by closing of the door. The cell ensures the wall-jet flow around the working electrode and it is optimised so that no air bubbles cumulate in the cell. The cell contains also the contact and output cable.



Physical Parameters:

Dimensions:

Weight: 11 gms
Length: 42 mm
Width: 24 mm
Thickness: 16 mm

Cell Material:

- Polymethylmetacrylate

Experimental Accessories:

- Peristaltic Pump
- Linear Pump

Software Packs

- Basic evaluation (BA1.S)
- Measurement of photosynthetic herbicide toxicity (BA1.2)

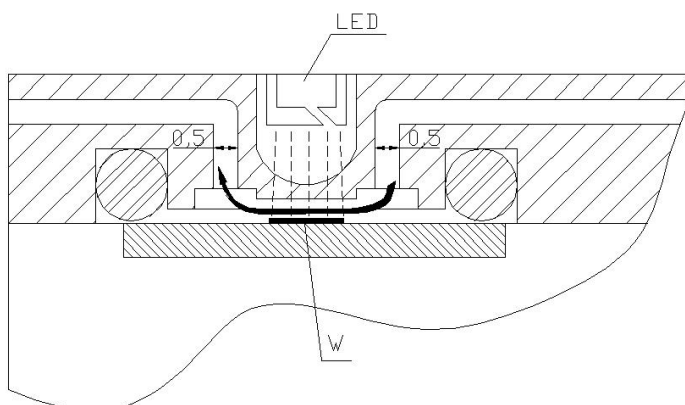
Cell Usage:

- Flow measurement
- Flow-injection analysis
- Detection of herbicides

Ordering Information

- The order is specified by whole product code.
- Minimum order quantity - 1 cell.
- Delivery time for standard FC3 cell is 4 weeks from receipt of order
- Delivery time for non-standard FC3 cell depends on final technical specification of order.

Flow Arrangement



Evaluating Units

- BA1.* (FC3.2)
- Any device (FC3.S; FC3.1)
- eDAQ (FC3.4) - www.edaq.com

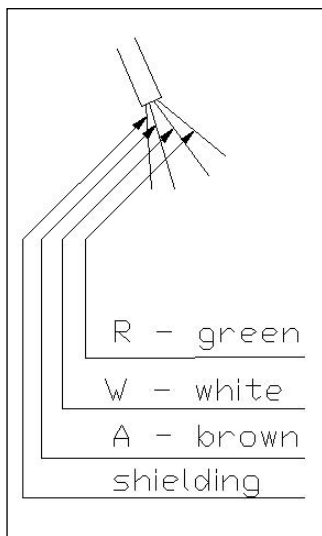
Example of Order

- 5 pieces - FC3.S

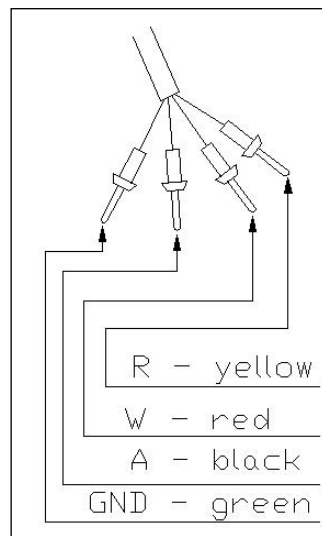
Types of Termination

Model	Cable	Termination
FC3.S	Three core Shielded cable	Single conductors
FC3.1	Three core Shielded cable	Banana plugs
FC3.2	Three core Shielded cable	7 poles BVT connector
FC3.3	Three core Shielded cable	Triad01 PalmInstruments
FC3.4	Three core Shielded cable	BNC connectors

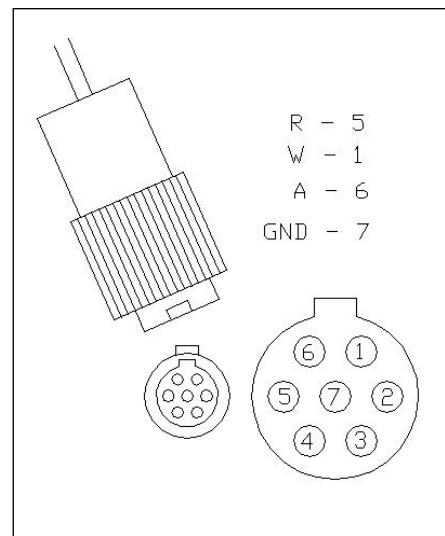
Standard Ends of Cables



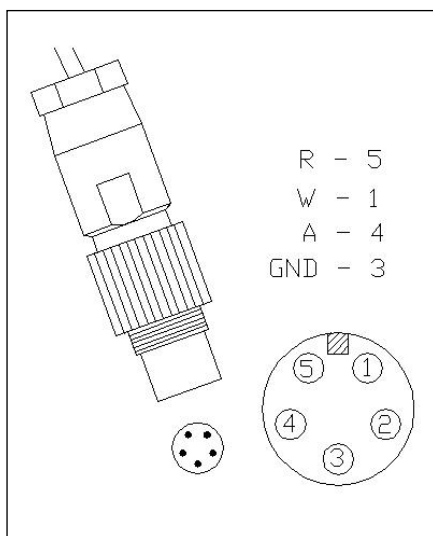
FC3.S



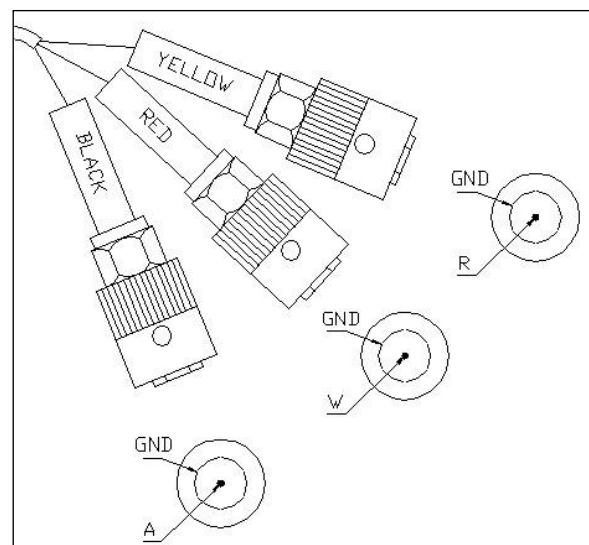
FC3.1



FC3.2

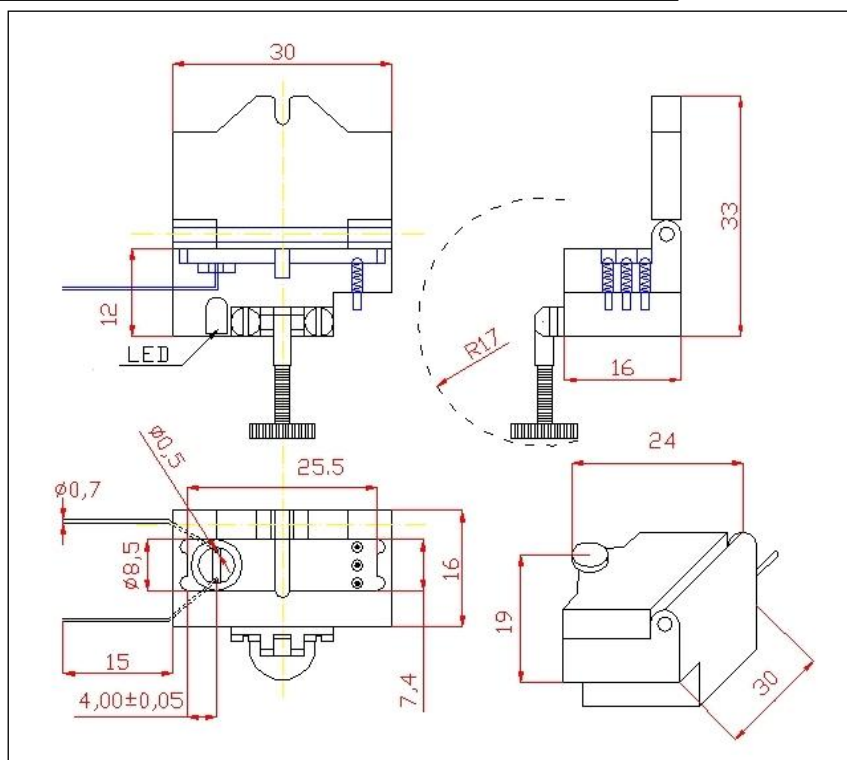
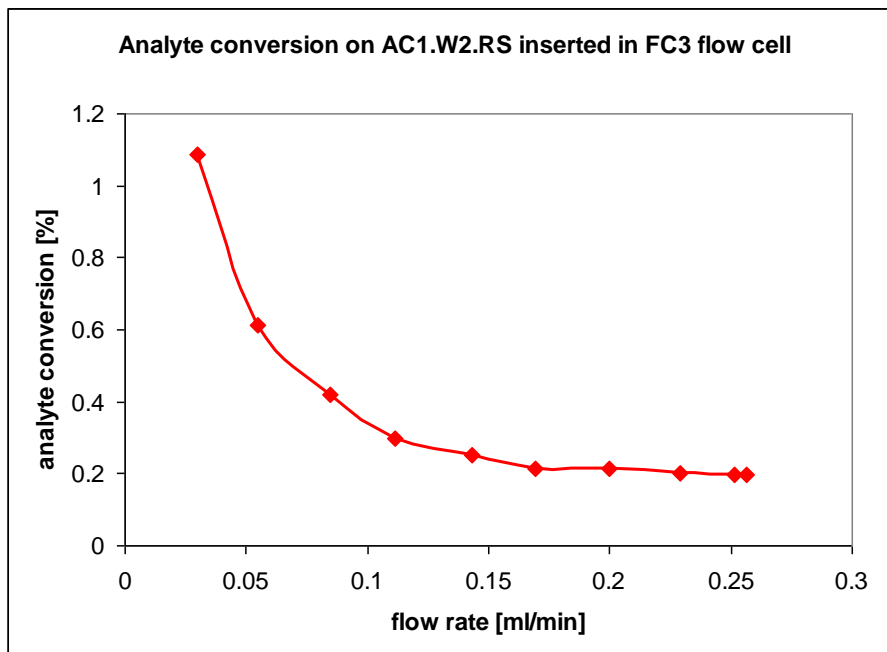


FC3.3



FC3.4

Analyte conversion on AC1 electrochemical sensor using FC3 cell at different flow rates



Warnings

The parts of device which are in contact with analyzed solutions

are made from PMMA - polymethylmethacrylate. Some solution components can damage the device. Following solutions were proved to damage it:

- Solutions containing chloroform
- Solutions of p-benzoquinone cause the induced creep of PMMA (approximately after 6 month of use)
- Solutions of HCl with tetraethyl orthosilicate causes induced creep of PMMA and metal parts corrosion.