

# Examine Scale Deposition and Blocking

## with the mobile Differential Scale Loop

### Characteristics

- Mobile tube blocking system for measurements in the field
- Semi automated
- Cost effective model
- Up to +150 / 250 °C (302 / 482 °F)
- Up to 172 bar (2,500 psi)
- Transport case

The mobile Differential Scale Loop (mDSL) is a tube blocking system designed for scale deposition measurements inside and outside the laboratory.

The mDSL can be taken to customer site or into the field if the sample can't be transferred to your lab.

With our transport case the mDSL can be moved safely to its operation site.



### Mode of operation

The mDSL is a two-pump system. The standard test procedure uses artificial, separated brines with a fix inhibitor concentration and a manual switch between brines and cleaning solutions. Test of tube blocking tendency, inhibitor performance and dissolver effectiveness are the typical applications.

### Heated test capillary

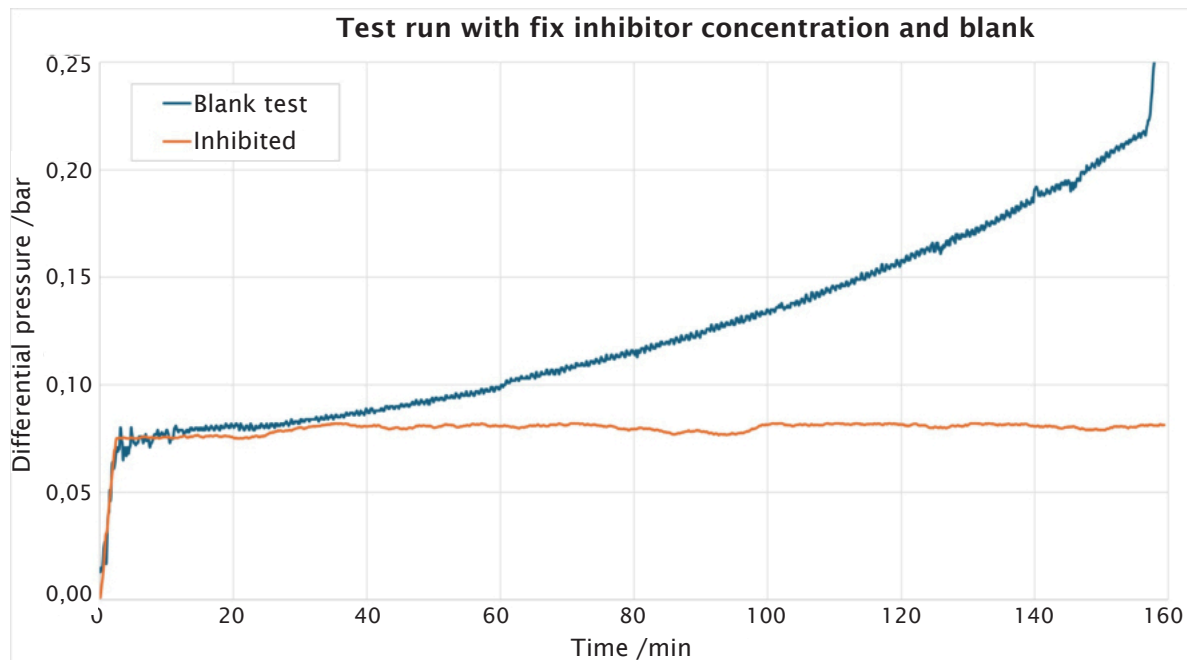
The mDSL has a specially designed heating system for the test capillary. The test coil is inserted in a small-size heating system. This system allows an easy access to the coil for maintenance and cleaning.

### Results from field tests as from the lab

Test conditions in regard to flow rates, temperature and pressure rating are comparable to the scale loops known from the labs. This allows you to obtain results in field tests that are comparable to those found in the laboratory.

### Software control

Our software *WinDSL* permits to control all parameters for the experiments, records all data and automatically stops the scaling test when scale formation is detected to ensure the capillary is not blocked.



### Specifications:

Temperature range:	+30 ... +150 / 250 °C (+ 86 ... 302 / 482 °F)
Working pressure range:	3,4 bar ... 172 bar (50 psi ... 2,500 psi)
Flow rate:	single pump: 0,1 .. 10 ml/min overall flow, max. 20 ml/min
Test pipeline:	length: 2 m, ID: 0.75 mm, material: stainless steel
Filter:	integrated, mesh size 2 µm
Power consumption:	max. 2,500 W
Voltage input:	110 .. 230 V~, 50/60 Hz wide-range
Weight:	45 kg (60 kg in transport case)
Dimensions (WxDxH):	45 x 65 x 60 cm (main unit)