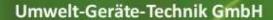


## **UGT Range of Measurement Tools**

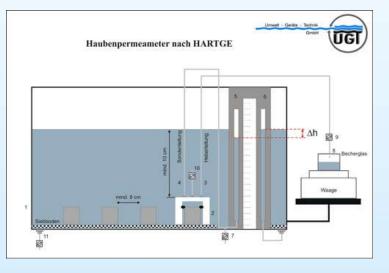
March 17th – Bucarest/Romania



## Hydraulic conductiviy measuring device

#### **Hood-Permeameter by Hartge**





Laboratory permeameter for determination of the saturated hydraulic conductivity of soil samples (kf – value).



### **Unsaturated Hydraulic Conductivity**

#### The ku-pF apparatus

Laboratory instrument with 20 micro-tensiometers to determine the soil tension of 10 soil samples





# **PL measuring chambers**



Air permeameter in the field measurement



Pipe probe



TDR-Probe and PL-tensiometer



Darcy chamber

**PL 300** Field measuring device to record the air permeability of soils



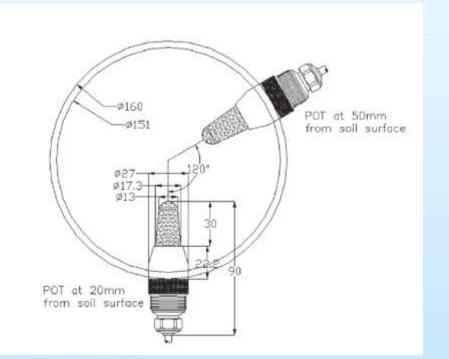
sampling ring adapter



surface chamber



## **Full Range Tensiometer**



# Multilyzer



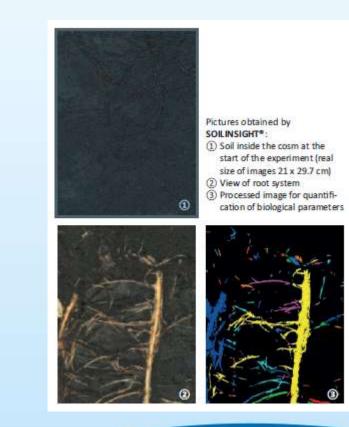
hnical Data of the Quic	klyzer
Measuring range	1 - 1000 mg/l
Detection limit	1mg/l
etectable Substances	NO3- ; NO2-
Power supply	12V supply voltage or battery
Interfaces	RS232; USB 2.0
Flow rate	25µl/min
mensions [L x W x H]	40cm x 30cm x 20cm

UG



# Soilinsight



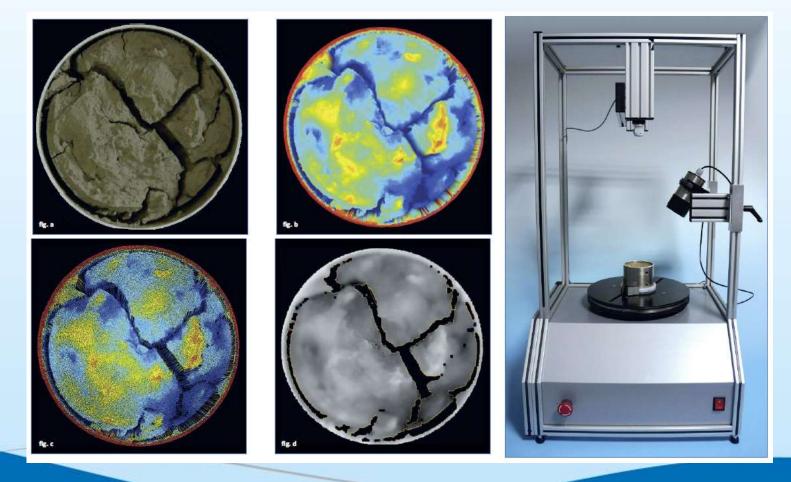






UG

# Soil-LT + ku-pF extension



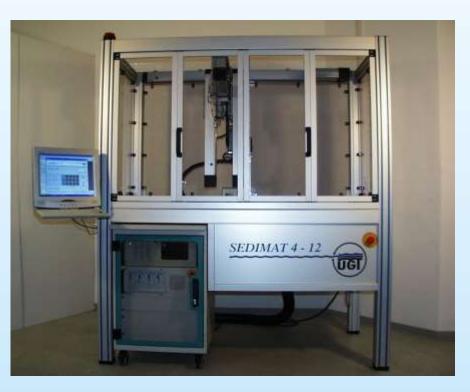




### Shear Box 100



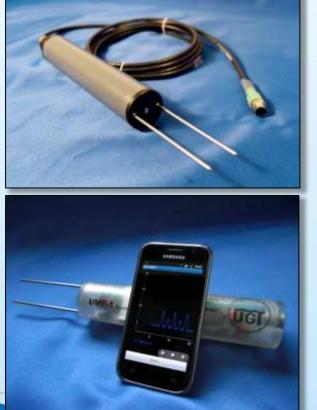




Laboratory apparatus for determination of particle size distribution in mineral soil material with 4 fractions by DIN ISO 11277 or 2 fractions according to ASTM



## UMP-1 combined soil moisture, conductivity and temperature sensor



•	Measuring range water content:	0 100 %
•	Measuring range permitivity $\epsilon$ :	0 80
•	Measuring range conductivity:	0,001 5 mS/cm
	Optional upgrade to	40 mS/cm
•	Measuring range temperature:	-20 +60
•	Accuracy water content:	± 2%
•	Accuracy conductivity :	± 1%
•	Accuracy temperature:	± 0,2°C
•	Measurement Volume:	1000 ml

### **Range of different Tensiometers**



**Tens 100** 



**Tens 130** 



**Tens 150** 



**Tens 151** 









**Full Range Tensiometers** 

# **Ready-To-Go-Lysimeter/ Lab Lysimeter**





U



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