

Column test facility

E.g. for leach tests



Column test facility – for the leaching of ores and minerals

Application / Features

- Acrylic glass columns for ore and mineral filling
- continues addition of different chemicals
- Study of undisturbed and disturbed samples
- including continues measurement of pH-value, conductivity and redox-potential
- including electrical heating of the columns (optional)
- Integration of following process steps (e.g. Ion-Exchange columns)

Technical Data

Material column:	Acrylic glass (glass, stainless steel and other on request)
Amount column:	3 x horizontal column (approx. 1,25 Liter useable volume)
Pump:	3 - channel peristaltic pump (each channel can be used with different speed)
initial solution bottle:	3 x 2 liter Schott-Glass-Bottle,
collecting tray:	3 x measuring cylinder á 100 ml
Flow rate:	0,002 – 35 ml / min (per channel)
limitation pH-value:	0 – 14
Dimensions:	length x width x height 1400 x 650 x 1250 mm
Pressure:	Pressure monitoring after each column 0 – 4 bar (3 pieces)
Safety:	column facility is integrated in a box made of PP (Polypropylene) as a splash guard and drip pan (doors made from PVC)

SENSO-lab Software

	Touch Panel 15"
Connection:	2 x LAN, 1 x WLAN, 4 x USB-interface, HDMI port, 2 x ComPort
Measurement:	pressure value, temperature value pH-value, redox-potential, conductivity – in flow- through measuring cells

Equipment

Peristaltic pump:	1 x 1- channel – peristaltic pump up to 60 liter / hour
Column variation:	3 x vertical column (approx. 0,8 liter volume) sampling points in the column
Heating:	electrical heating with silicon heating mat; power: 100 W; Heat control unit: T-Controller

Subject to modification due to technical advance. The offered equipment will be defined with a quotation.



UMWELTLEISTUNGEN

Umwelt- und Ingenieurtechnik GmbH Dresden
Postfach 80 01 40, 01101 Dresden, Deutschland
Zum Windkanal 21, 01109 Dresden, Deutschland

Phone: +49 351 88646-82
Fax: +49 351 8865774
E-Mail: vertrieb@uit-gmbh.de
Internet: www.uit-gmbh.de