

# GLÖTZL Baumeßtechnik

## CELLS for MODEL TESTS

Type: EM . . .  
Art. No.: 18.10

### Earth pressure cell, type EM 28 B5

- Load limit 5 bars
- Diameter 28 mm
- Thickness of pressure pad 1mm
- Thickness of connection piece 4 mm
- The cell is delivered with a pressure line of 4 m length. Maximum possible length 5 m.

Pressure line:  $\varnothing$  inner 1.0 mm  
outer 1.5 mm

Return line:  $\varnothing$  inner 1.5 mm  
outer 2.1 mm



Figure: Earth pressure cell EM 28 B5

- The cell is constructed for air operation and measured by the electrically controlled air quantity regulator, type M 1 BLR 16.
- This model can only be used in very soft and binding soils.
- The cell can also be used in sand, with some restrictions.

# Cells for earth and porewater pressure

Type for model tests

**Type: EF . .**

**Art. No.: 18.20**

**Type: PF . . .**

**Art. No.: 18.30**



Figure: Earth pressure cell EF 45



Figure: Porewater pressure cell PF 45

Type designation	Load limit	Control accuracy	Dimensions
EF 45 B 5	5 bars	0.005 bar	45 mm Ø x 4 mm
EF 45 B 10	10 bars	0.01 bar	45 mm Ø x 4 mm
PF 45 B 5	5 bars	0.005 bar	45 mm Ø x 6 mm
PF 45 B 10	10 bars	0.01 bar	45 mm Ø x 6 mm

All models are 4fold overpressure protected at dynamic load.

The pressure cells are constructed for pneumatic operation and are measured by means of an air quantity regulator, type ALR or with an automatic measuring and recording device.

## Configuration:

Constructed of rust- and acid-proof steel. Standard model with 5 m pressure and return line each.

## Application field:

Binding soils and sand up to a particle size of 1 mm.

## Accessories:

- Change-over group: optionally manual or electric
- Air quantity regulator, type ALR 16 with manometer reading, accuracy 0.6 % of final value
- Air quantity regulator, type ALR-D with digital display, accuracy 0.3 % of final value
- Automatic measuring units with digital printer