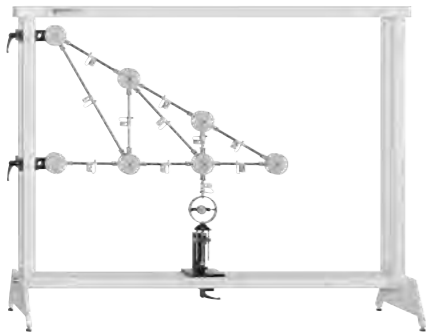# FL 152
PC-based recording and analysis of strain gauge signals

SE 110.21
Forces in various single plane trusses
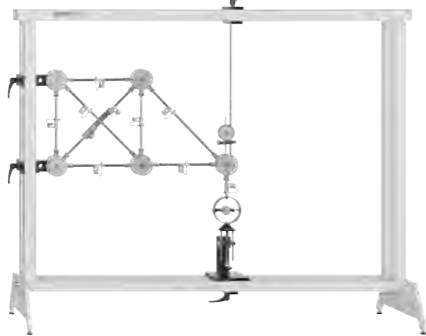
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FL 120
Stress and strain analysis on a membrane

Page 130

SE 110.22
Forces in an indeterminate truss

Page 40

FL 130
Stress and strain analysis on a thin-walled cylinder

Page 132

SE 130
Forces in a Howe truss

Page 42

FL 140
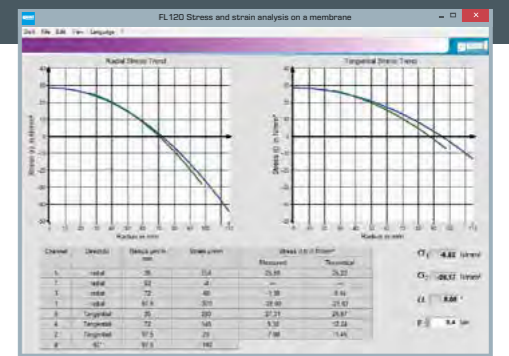Stress and strain analysis on a thick-walled cylinder

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- touchscreen operation
- the measured values are displayed on the unit or on a PC

USB

GUNT software in FL 152 for conducting and analysing experiments on stress analysis

- read measured values and save to a file
- plot stress and strain curves
- calculate principal strains and principal stresses
- experiment analysis using Mohr's strain circle
- Windows system requirements

GUNT software in FL 152 for conducting and analysing experiments on truss analysis

- support for conducting and analysing experiments
- display measured values
- plot truss illustration
- read measured values and save to a file

Whenever our experimental units are used to record forces or stresses using a strain gauge, the FL 152 unit amplifies the measuring signals. These signals are processed further and analysed using the GUNT software.

The unit has 16 input channels for processing analogue strain-gauge measuring signals.

FL 152 is used as either a stand-alone unit or connected to a PC via a USB interface.

The GUNT software supports the topics of stress analysis and truss analysis in a format prepared for teaching.