



ONLINE EVALUATING UNIT PROFIL-SOFT



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PROFIL-SOFT is a time-saving and efficient solution to handle and evaluate DQM-measurement data.

The measuring device DQM 76/100 of the company BaBeD Daimer GmbH is used for recording of the transverse rail profile. This measurement method is approved and required by the DB Netz AG. For online-operation the measuring device can be combined with any available commercial touch panel.

With the Software PROFIL-SOFT developed by L&S the collected digital data of the rail profile can be displayed directly on the screen and compared to the target profile wherein the function and the operation of the DQM measuring device are not affected. Thereby PROFIL-SOFT enables a precise on-site information of the track current condition.

LUDDENEIT UND SCHERF GMBH

Technical data of the DQM 76/100 with online-touchpad

DQM 76/100:

Usual commercial DB Netz approved rail profile measuring device of the BaBeD Daimer GmbH.

Vertical accuracy	.....	> 0,05 mm
Horizontal range / resolution	.....	76,8 mm / 0,1 mm
Vertical range / resolution	.....	20 bis 35 mm / 0,01mm
Scan time max.	.....	18 sec
Weight	.....	9 kg
Online-port	.....	RS232

Touchpad CF-18:

Usual commercial touch panel, given PC or Laptop:

Display	.....	10 inch touch screen
Resolution	.....	1024x768 Pixel (CF-18 series)
Degree of protection	.....	IP 55 (90% humidity)
Weight	.....	2 kg

Evaluating-Software: PROFIL-SOFT

Online-processing software for direct on-site validation of the measuring results

- Operating system: Windows 98, 2000, XP, WIN 7
- Required curves for evaluation
- Up to 5 gradient axes for set-actual value comparison
- 3 evaluation methods:
 - two fixed reference points
 - congruence of particular measuring points on field side
 - manual shifting of actual curve to rated value
- One-window visualizing: all relevant measuring data are displayed in one window.
In this level the operator can evaluate the data and edit the file name.
- For a fast data storage of multiple measurings, the file names can be edited with text for a later and easy localization.



**DEVELOPMENT - DESIGN - MANUFACTURING -
SALE - SERVICE**

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