

## PRIMAX FWD: The van-integrated solution



### The van-integrated PRIMAX FWD

V@ is the solution when the equipment is used daily or very frequently. It is well suited for measuring in towns and densely populated areas, areas with heavy traffic loads or in areas where safe, accurate and quick maneuvering is required, such as airports and testing of concrete slabs. The van integrated FWD equipment may be driven at normal driving speeds providing testing capabilities with optimal road safety.

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## Van-integrated FWD / HWD / SHWD

The FWD unit is well protected in the van and leaves room for further equipment or even a small laboratory. Another possibility is to bring along the portable FWD, PRIMA 100. The combination of the traditional FWD equipment and the PRIMA 100 light FWD allows in-situ quality control in connection with rehabilitation of pavements or new construction.



*The geophones are easily accessible and simple to replace.*



*No tools are needed for replacement or removal of weights. Multi-stop adjustable drop height secures very accurate load configurations.*

### Modular system

The modular principle means that there is no need for investment in new equipment if the demands on the equipment change. All that is necessary to upgrade the equipment from a standard 7-150 kN FWD to a 7-250 kN Heavy Weight Deflectometer (HWD) and even to a Super Heavy Weight Deflectometer (SHWD) 7-300 kN is to add more weights, a larger load cell and upgrade software.

Like all FWD equipment the standard van-integrated FWD is supplied with personal computer, Windows FWD software, time history module, transport lock, DMI (Distance Meter Indicator) integrated in the software, three temperature sensors, four-split loading plate, 9 geophones and warning lights. Additional functions can easily be added such as video or marking equipment, GPS (Geographic Positioning System), which enables presentation of data in maps or general plans of site.

For data treatment

RoSy DESIGN, a back-calculation software for both road and/or airport data analysis. However, files generated from the equipment can be processed in any back-calculation program.

Importance to supplying safe and stable equipment and the newest technology forms the basis of the FWD equipment. The PRIMAX software incorporates alarms that are displayed on the computer screen. If the operator ignores vital warnings, certain functions cannot be performed with the FWD e.g. in connection with pavement temperature measuring: After having inserted the asphalt temperature sensor in a hole in the pavement, the sensor registers



*The four-split loading plate allows good contact to the surface and accurate measuring.*

when the temperature is stable. The temperature is measured while the loading plate is placed on the pavement and cannot be raised before the temperature sensor is placed in its holder. The equipment cannot be driven to another position with the loading plate down and strategically placed emergency switches allows the operator to stop the equipment at any time while operating manually.