

Compaction Documentation System CDS-012J™

0011

- A picture can say more than 1000 words -



Benefits for the roller manufacturer

- Required on developed markets
- Userfriendly - only a quick-guide needed
- Graphical display - higher precision with four (4) shades and 0.5 m resolution
- Smart functions - Gradient to see tendencies and Diagram for detailed picture
- PC analyses are possible
- Printing is possible

Guide and Documentation System

A roller symbol on the screen continuously marks the position of the roller in the area.

Compaction results are displayed while the roller is actually at work. At the end of a complete pass over the entire area **CDS System** displays all recorded strips side by side.

This makes it possible to *guide* compaction more effectively and *reduce the roller passes* to a minimum. A *uniform* and lasting compaction is assured and *documented* on paper or PC shortly after completion of compaction work.

In addition to the above time savings, a contractor can choose either to carry out 3 spot tests (i.e. plate loading test) on each control area (= 5.000 m²) or using **CDS System** with only 1 spot test. The cost savings between the two alternatives applied to a road of 10 km of length and 13 m width is **US\$ 40.000** in favor of **CDS System**.

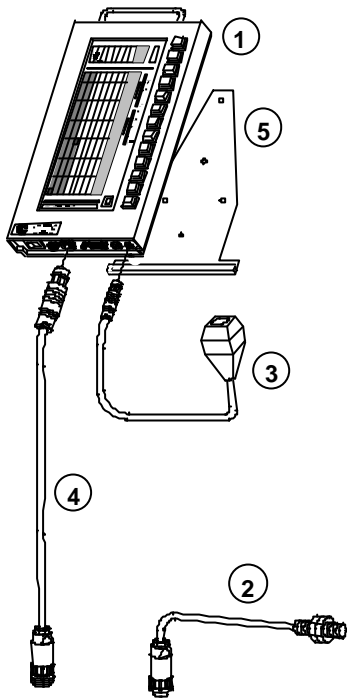
Mobile Display Unit

INPUT: Strip Length, CMV accept value, CMV limits between gray shades and Start section

OUTPUT: CMV, RMV, Frequency, Speed, data files for a PC and memory for maximum 32 areas or 400 000 m².
If the **RMV** (double jump), **frequency** or **speed** deviate too much it will be indicated.

LANGUAGES:

Croatian, English, Finnish, French, German, Italian, Japanese, Spanish, Swedish



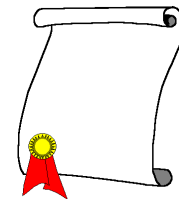
System includes

1. Display Unit (308 x 200 x 54 mm)
 2. I-sensor
 3. Start/Stop button
 4. CDS cable
 5. Mounting plate
- PC-printer cable
PC software
AC-adapter

System does not include

Compactometer

Benefits for the end user



Time and money savings - (Contractor)

- *Guide* compaction more effectively – compact only where it's necessary !
- Demarcate quickly weak areas and *guide* necessary improvements !
- *Reduce* the number of *roller passes* by preventing over-rolling !
- Instant *judgement* of when and where compaction is finished !
- *Selection* of representative points for *spot tests* possible - reduces the number of tests !
- Increase the roller's *lifetime* by early warning of double jumps !

Quality assurance - (Investor)

- Attain a *uniform compaction* !
- *Improve compaction* by preventing re loosening and overcompaction!
- *Guarantee* that "deviations" from the recommended compaction routine do not occur !
- Retrieve from the documentation the *causal connection*, in case a damage would occur !
- Increase the *confidence* that no further improvements are required, before starting on the *next layer* !
- Increased competence will increase the *motivation* !