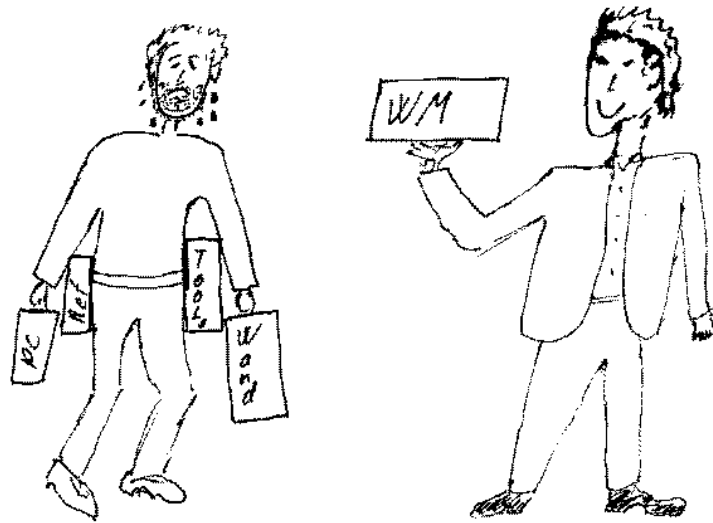


Pendulum Success Story 5



The development of the Wandermeter

The former Swedish PTT, Telia, needed to measure Wander in their SDH-network, and of course they wanted to do this as easily and cost effective as possible.

They looked at the different alternatives available on the market, but found nothing satisfying their need.

There were multitesters who could measure Wander but only if they also bought the optional software and used an external Rubidium frequency reference. This turned out to be a very expensive solution. This solution would also mean that only a high skilled technician would be able to perform the measurement. It takes up to 24h to measure Wander and to have a high-cost engineer performing that measurement would be both inefficient and expensive.

The other alternative was to use an instrument that was dedicated to measure Wander. The instruments already available proved to be complicated to use, and often too, required both an external frequency reference and a PC. They were also difficult to calibrate.

Knowing that Pendulum Instruments made quality instruments within time and frequency, Telia asked us if we together could find a solution satisfying their need. We asked them what they had in mind and they gave us a list with the following requirements:

- It should be portable.
- They wanted a build in rubidium frequency reference. This would save them the cost of buying an extra frequency reference for each instrument. It would also be one less unit to transport.
- They wanted a build in graphical display, for direct graphical feedback. This would save them the effort of always carrying a PC.
- It should be easy to calibrate.
- It should have an attractive price.

Together we developed the Wandermeter, a unit that met all their needs while saving them money and keeping their customers delighted.

How much money can the Wandermeter save you?

Pendulum Instruments AB