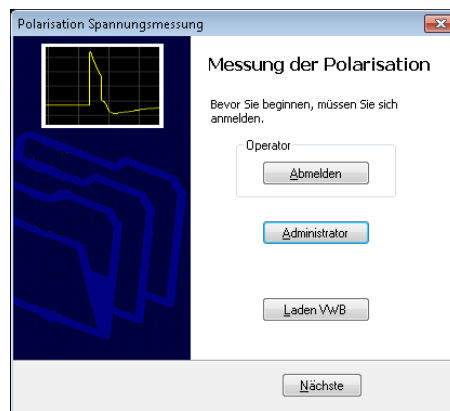


# HOTnote

## Perception CSI: Semi-Automated routine measurements.

**The Customer** A German manufacturer of medical products.

**The Application** Semi automatic procedure for voltage polarization measurements in a production environment.



**The Problem** The customer uses a Gen7t to measure voltage polarization in a production environment. The major problem is the standard operation of the Perception software; this user interface has too many possibilities which can cause trouble in a production environment. In these kinds of environments the operator actions should be limited to the bare minimum. The new user interface should be operator friendly and should minimize the probability of failure. Another problem to be solved was the export of measurement results in a special ASCII format.

**The “General” Solution** The General solution is based on Perception software with a CSI application.

**The Missing Link** Standard software cannot perform an automated measurement as proposed by the customer.  
Standard software has no operator mode.  
Standard software cannot produce an ASCII file with specific format which will only be generated after a sequence of three recordings.

# HOTnote

## The CSI Solution

With CSI it is possible to program an automated measurement cycle according customer specifications. An operator mode has been created with limited control; the full control is only accessible when having administrator rights.

The operator uses a measurement wizard which works on top of Perception. This wizard contains eight different steps; if the operator has done all these steps the measurement is ready.

During these steps the following kind of actions will be done:

- Manually entering measurement specific data by the operator.
- Confirming measurement preconditions
- Performing several recordings with automatic background calculations, the main result will be shown in a clear way using colors to indicate acceptance or not. See picture below.
- Automatic reporting and generating ASCII file to be used for communication with other computer system.

