

Sumiswald, 12.08.2013

## TO WHOM IT MAY CONCERN

### MOBALine to Impulse code comparison table

MOBALine	Polarized impulses
Power and time code signal on two wires.	Only polarized impulses on two wires.
Running reserve given by the master clock, if equipped with batteries.	Running reserve given by the master clock, if equipped with batteries.
Very high redundancy in the time information and therefore: <ul style="list-style-type: none"> <li>- High reliability, error recognition.</li> <li>- non-sensitive against disturbances.</li> </ul>	Only polarized impulses 12, 24 or 48 V: <ul style="list-style-type: none"> <li>- low reliability, no error recognition.</li> <li>- less transmission security.</li> <li>- no redundancy in time information</li> </ul>
For maintenance free, self-setting clocks. Easy startup → plug-and-play	Clocks has to be adjusted manually during startup or after power break → maintenance intensive
Very fast time synchronization upon return of power after a power failure.	Very slow time synchronization upon return of power after a power failure (catching-up).
Several functions are available over Mobaline: <ul style="list-style-type: none"> <li>- Switching commands.</li> <li>- World time functions.</li> </ul>	Only time can be displayed. (In digital clocks date can be set manually).
Several commands over Mobaline are possible: <ul style="list-style-type: none"> <li>- Run to 12H00 position.</li> <li>- Run mode: continuously, half-minute step, minute step (only SAM / SEM 40 and SAM / SEM 100 movements)</li> </ul>	Not available.
Various interfaces are available to synchronize other systems.	Not available.
All types of clocks are available with a Mobaline code: Analogue and Digital clocks	All types of clocks are available with impulses: Analogue and Digital clocks
A bit more expensive technology to implement but much easier and less expensive for commissioning and maintenance.	Less expensive technology to implement but much more complicate and expensive for commissioning and maintenance.

**MOSER-BAER S.A.**  
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