



**OptiFlow** monitoring unit has 4 channels (which can be extended up to 40 e.g. **Optiflow32** version) for monitoring the resin arrival and temperature at 4 locations providing a certified resin arrival signal by monitoring the electrical resistance of the resin and a reliable temperature measurement based on RTD sensing.

**OptiFlow** can be also used as a low-cost cure monitoring system in non-heated moulds in a single large mould or at up to 4 different moulds.

**OptiFlow** takes advantage of the powerful **OptiView** software to store and depict the recorded data in an efficient and reliable way and can be combined with the **OptiMold** system for real-time global process monitoring. For greater flexibility **OptiFlow** can be used with the following durable and/or film disposable sensors either for process development or production automation.

The main characteristics of the durable sensors are:

- Ultra-sensitive sensing elements for electrical resistance and temperature (using Pt100)**
- Max working temperature: 210°C**
- Max working pressure: 60 bars**

The flexible (disposable) sensors can be used for vacuum bagging or infusion and inside the laminate for development purposes. It can operate under the same temperature and pressure limits as the durable sensor.

**OptiFlow** includes up to 4 relay outputs that can be connected to any analog/ digital input for automation purposes e.g. open/ close valves.

For more information please visit our website: [www.synthesites.com](http://www.synthesites.com) or call: +30 210 4212274.