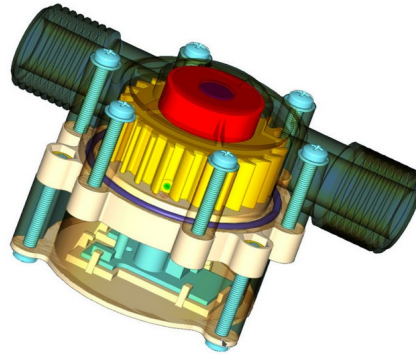
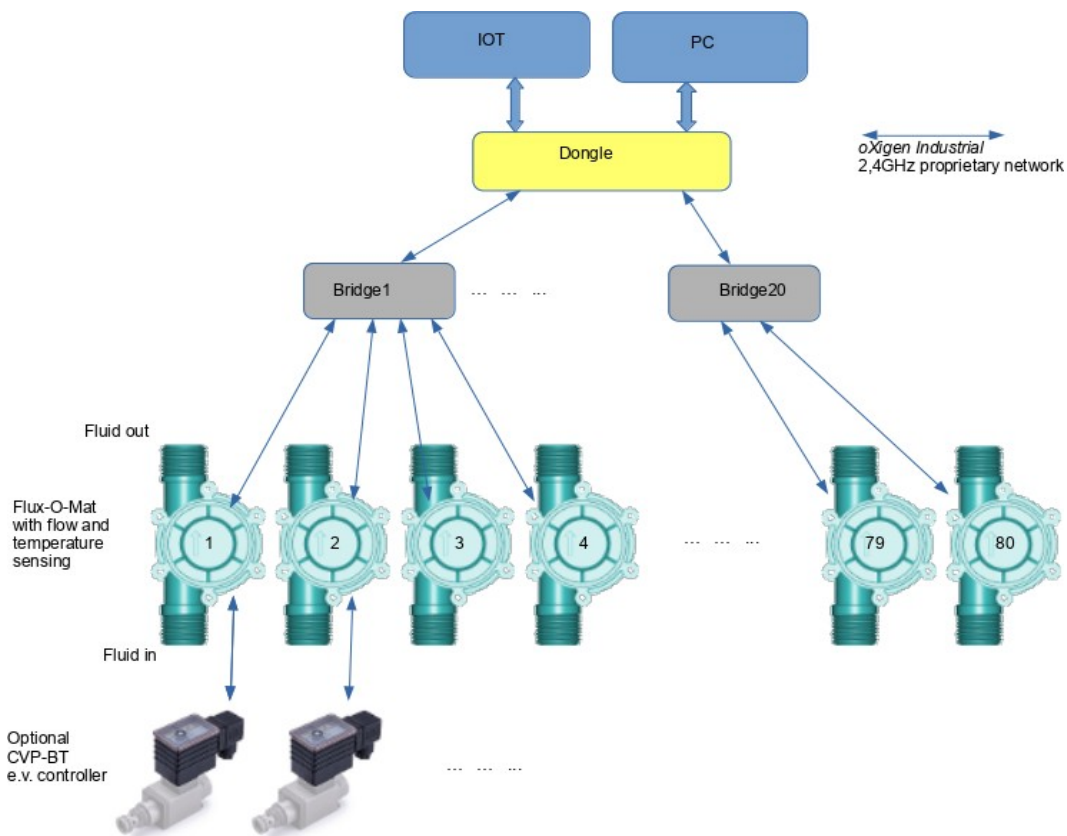




Wireless, self-powering remote hydraulic flow and temperature sensor

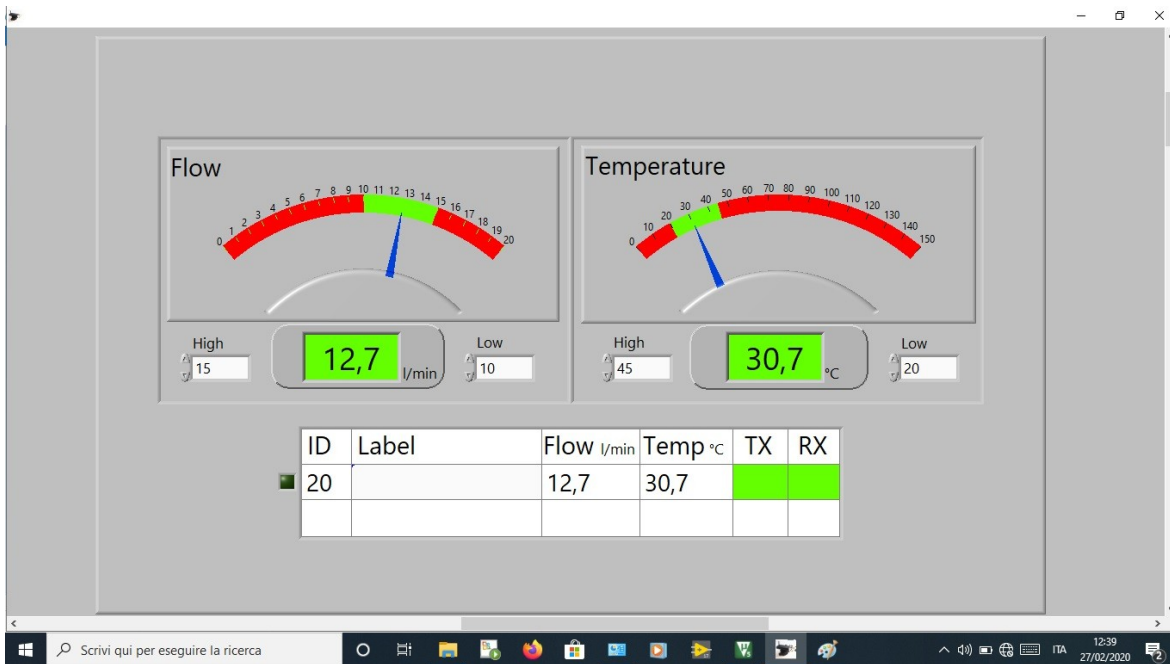


Flux-o-mat is a remote sensing patented device composed by a micro hydraulic turbine current generator, and a miniaturized transmitter-receiver node operating on the 2.4GHz band. The device can measure the flow in l/s as well as the fluid temperature. The power needed to operate the 2.4 GHz transceiver is generated by the micro turbine itself. Therefore, no wiring is needed at all, making the Flux-o-mat the ideal choice for installation on already existing machines. As a standalone device, it may simply be used as a signalling light through a LED (on/off indicating flow presence/absence), or communicate wirelessly with a slave matching electrovalve (such as our own **CVP-BT**) to enable/cutoff fluid flow. Alternatively, two devices may be used for differential flow readout, to detect partial leakage.





The Flux-O-Mat can be part of a net based on our proprietary, 2.4GHz, real time '**oXigen Industrial**' network. As such, the flow level, the fluid temperature, and the status of the slave electrovalve can be relayed to a bridge node (for up to twenty turbines per node, up to twenty nodes per system) that in turn can send data to a PC. Firmware for each device can be easily upgraded via Bluetooth.



Characteristics

- Wireless, self powering, fluid flow and temperature sensor
- Available as single simple unit, or member of more complex *oXigen Industrial* networks
- Can be interfaced wirelessly with a remote cutoff electro valve solenoid driver.
- Bridge node may connect up to twenty devices, up to 20 bridges per system
- Four status LED: Power, Bluetooth ON/OFF, working state, alarm
- Min bridge operating range 60m (estimate, PC to device)
- Operating temperature range TBD
- IP65 (external case)
- Firmware upgrades via Bluetooth

Dimensions

