

WireC

The contact-less copper wire infrared thermometer

Elav® has been working in the field of industrial automation for **more than 30 years**, gaining a **leading experience in wire and cable manufacturing and plastic extrusion**. Our over 3000 active installations all over the world are evidence of how our experience and expertise in designing, developing and building high quality and cost-effective automated solutions can provide customers with a competitive advantage. During the years, we have continued to strengthen our customer's competitive edge by providing **innovation and reliability** in our support of their production activities: our strong focus on products and **process optimization** helps customers increasing their productivity, efficiency and quality while at the same time maximizing earnings.

Contact-less temperature measurement on copper wires has always been a **hard task** in the industrial field since the copper itself is not a good Infra-Red emitter.

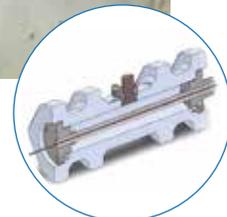
Thanks to Elav® expertise in R&D, **industrial grade** contact-less temperature measurement of copper wire is not a fairytale anymore. With the help of our patent pending **WireC**, you will be able to **monitor and control contactless the temperature** of copper wires in different contexts such as wire drawing machines and extrusion pre-heating stations.

- Wire **annealing** machines
- Wire **drawing** machines
- Extrusion **pre-heating** stations

The **WireC** comes in a **fully rugged** modular design, thanks to CNC manufactured aluminium case which hosts the **measuring cartridge**, designed to be easily replaced. The **WireC** design allows you to:

- Measure copper wire temperature contact-less
- Change the measuring cartridge when it is worn
- Switch between several kinds of measuring cartridges depending on your application

At the same time, the instrument is compact and can be mounted on existent lines with ease.



Flexible and Reilable

Thanks to the **insulated cavity scheme**, Elav® **WireC** is able to deliver **unmatched flexibility** to your wire temperature measurements.

In fact it is possible to **change the response time** and the noise **filtering characteristic** of the whole instrument simply by choosing a measurement cartridge made of different materials.

Depending on your process, Elav® is able to offer you a slow response cartridge which lets you see the true deterministic trends of your thermal regulation cleaned from noise or a fast response cartridge that lets you control even the smallest fluctuations in temperature related to random events or local changes in the surrounding environment.

