



From 28th February till 02nd March, KELLER ITS participated as exhibitor at the IFEX 2020 in India. The meanwhile 16th edition of the fair for foundry technology took place this year in Chennai. With totally six halls, IFEX is the largest exhibition in India and trendsetter in the field of iron and steel production. Again, an attractive lecture program accompanied the fair on current developments with the main topic of digitalization in foundries.

KELLER ITS presented the newly developed pyrometer CellaCast with IO-Link interface for the optical temperature measurement of liquid metals at the booth. Gone are the days when only the analogue measuring signal was evaluated. In 2007, a consortium of PLC manufacturers and fieldbus providers joined and created a worldwide standard with the IO-Link interface technology. This step became necessary because the increase of data to be transmitted also requires a higher transmission speed. IO-Link is characterised by the simplest installation and the very high operational reliability. Devices with IO-Link can be integrated into all common fieldbuses.

With the new CellaCast pyrometer, not only the temperature value of the liquid metal, but also signals and data for monitoring the contamination of the optics, diagnostic data of the measuring system and the internal temperature are transmitted to the PLC via the digital interface. Furthermore, IO-Link offers the possibility of configuring the device via the PLC. This allows the individually adjustment of the measurement parameters during the production depending on the production batch according to the alloy of the melt.

With the new KITS App, also presented for the first time, KELLER offers a solution for the digitalisation of

the service. The App provides online all information required for commissioning, configuration and maintenance of the measuring system. With the integrated emissivity calculator and field-of-view calculator, the required setting parameters for commissioning are determined on site. For personal technical support, the direct contact details of the service department are available.

With more than 100 visitors at our stand, the exhibition was a great success for KELLER ITS India. Thus, we have already decided to participate in the IFEX 2021 in Calcutta.