



## Press release

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Area: Industrial communication

### World premiere: AS-i signal transmission via fibre optics.

**Essen, October 2018 – Up to 3.2 km! This cable length is now possible for AS-i signal transmission. ifm's new AS-i fibre optic repeater enables AS-Interface signal transmission via an optical medium and vice versa. Cable lengths in AS-i networks can now be considerably extended. Moreover, mixed operation of AS-i flat cable and fibre optics is possible.**

#### Safety and technology

Every AS-i fibre optic repeater has two independent channels that consist of a transmitting and a receiving element. They are electrically isolated and convince by their high operational reliability. The AS-Interface system provides the voltage supply for these units. This further development has been integrated in the new SmartLine housing with two terminals.

#### Best field performance

Optical transmission means there is no interfering radiation, nor are there any ground problems. Fibre optic transmission systems exclude any EMC risk, as a matter of principle. As to distance related losses due to inductances, capacities and resistances (as is the case with copper cables for example), they do not occur either. This guarantees high operational reliability and increases machine uptime. Using the new AS-i fibre optic repeater allows for additional fibre optic network topologies (line topology, star topology).



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Radiated EM interference immunity – AS-i repeater with lightning protection.

For text / pictures please go to:

<https://www.ifm.com/de/en/de/company/technology>

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