

Usability of Memosens cables CYK10/CYK20 with Memosens 2.0 sensors in hazardous areas

Company Endress+Hauser Conducta GmbH+Co. KG
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as a manufacturer of products for liquid analysis declares, that the products

Product **MEMOSENS pH sensors CPSxxxE (with Ex certificate),
MEMOSENS Lf sensors CLSxxxE (with Ex certificate) and/ or
MEMOSENS Oxygen sensors COSxxxE (with Ex certificate)
named in the following as MEMOSENS 2.0 sensors**

Can be connected to the measuring cables CYK10 or CYK20 (certified under IECEx BVS 11.0052X and BVS 04 ATEX E 121 X, or other hazardous area certifications) for use in hazardous areas.

With the introduction of MEMOSENS 2.0 sensors, each sensor now has its own ATEX or IECEx certificate based on its specific electrical parameters. For MEMOSENS 2.0, we have defined an electrical interface for connecting sensors and cables.

The existing Ex-certificates of the CYK10/CYK20 cables remain valid for connecting MEMOSENS 2.0 sensors in hazardous areas. Therefore, there is no need to replace the cables in current installations.

According to the sensor Ex-certificates, the maximum input power ($P_{i,max}$) is specified as 180 mW, while the maximum output power ($P_{o,max}$) of the CYK10/CYK20 cables is 178 mW.

Based on current Ex standards, the condition for intrinsic safety is fulfilled.

As stated in the Ex certification for Memosens cable the certified maximum single cable length between the transmitter and the sensor may not exceed 100 m.

Remarks The specific conditions of use for each product have to be followed.
Please refer also to the Safety instructions for electrical apparatus for explosion hazardous area (XA).

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