

1. Two channel optical fiber sensor type SPECTRO-2-FIO-(UVC/UV)/(UVC/UV)

The two channel optical fiber sensor type **SPECTRO-2-FIO-(UVC/UV)/(UVC/UV)** comes with two UVC-LEDs (main emitting wavelength of 280nm). Furthermore, the receivers are equipped with photodetectors, sensitive in the wavelength range of 190nm to 400nm. In connection with optical quartz fibers (e.g. R-S-A3.0-(2xd3/2)-1200-Y-22°-UV-(1P+1BP)/2P) the system can be used for displacement measurement (see also BICONE principle) e.g. on a glass surface, due to the fact, that there is no secondary reflection from the lower surface of the glass plate, because the UVC light will be absorbed from the glass.

