



BH-485-OIW Online OIW Sensor

BOQU OIW sensor (oil in water) use the principle of ultraviolet fluorescence technique with high sensitivity, which can be used to detect solubility and emulsification.It is suitable for oil field monitoring, industrial circulating water, condensate water, wastewater treatment, surface water station and many other water quality measurement scenes.the measuring principle:When ultraviolet light excites sensor film, aromatic hydrocarbons in petroleum will absorb it and produce fluorescence .The amplitude of fluorescence is measured to calculate OIW .

Technical Features

- 1) RS-485; MODBUS protocol compatible
- 2) With automatic cleaning wiper, eliminate influence of oil on the measurement
- 3) Reduce contamination without interference by the light interference from the outside world
- 4) Not affected by particles of suspended matter in water

Technical Parameters

Parameters:OIW(Oil in water),

Temperature Principle:Ultraviolet fluorescence

Range:0-50ppm or 0-0.40FLU

Accuracy:±3%F.S.

Resolution:0.01ppm

Housing IP Rating:IP68

Deepest Depth:60m underwater

Temperature Range:0 ~ 50^a

Interface:Support RS-485 MODBUS protocols

Size:045*175.8 mm

Power Requirements:DC 5~12V,current<50mA

Cable Length:10m standard, Customizable Body Materials:316L(Ta2)

Cleaning System:Yes

