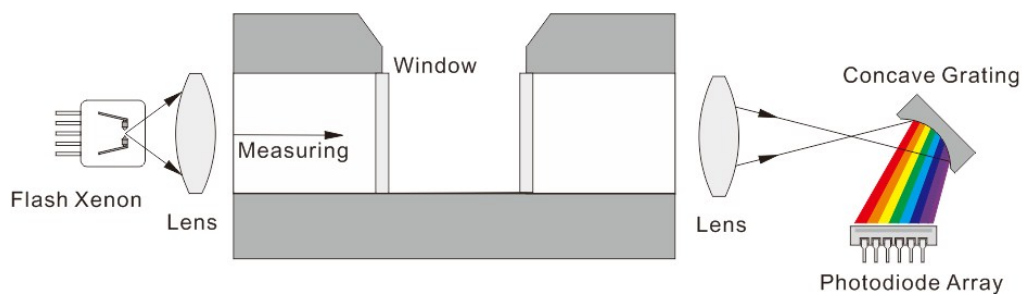
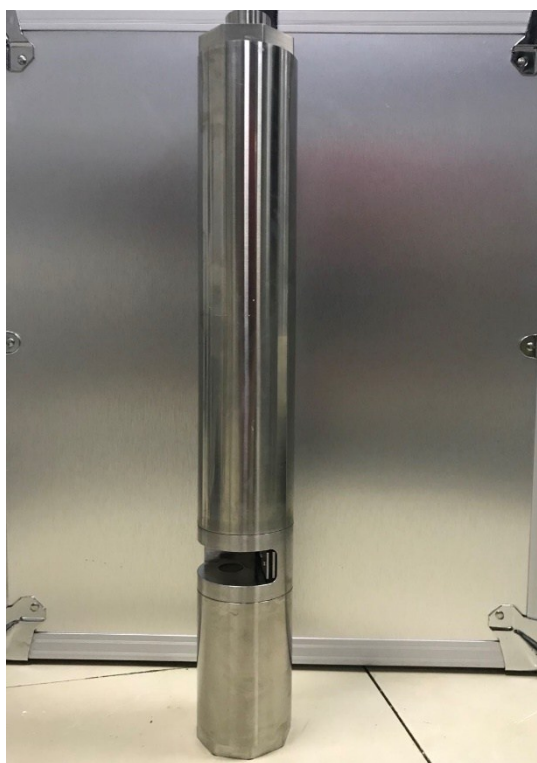


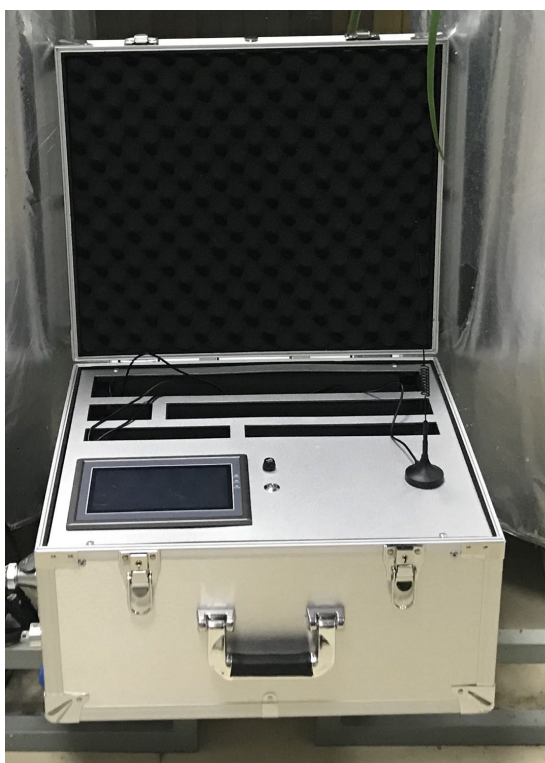
**Fig. S1.** Spectra of all water samples



**Fig. S2.** The schematic diagram of internal structure of developed prototype



(a)



(b)

Fig S3. The photos of developed prototype  
(a) sensor; (b) wireless data transmitting module

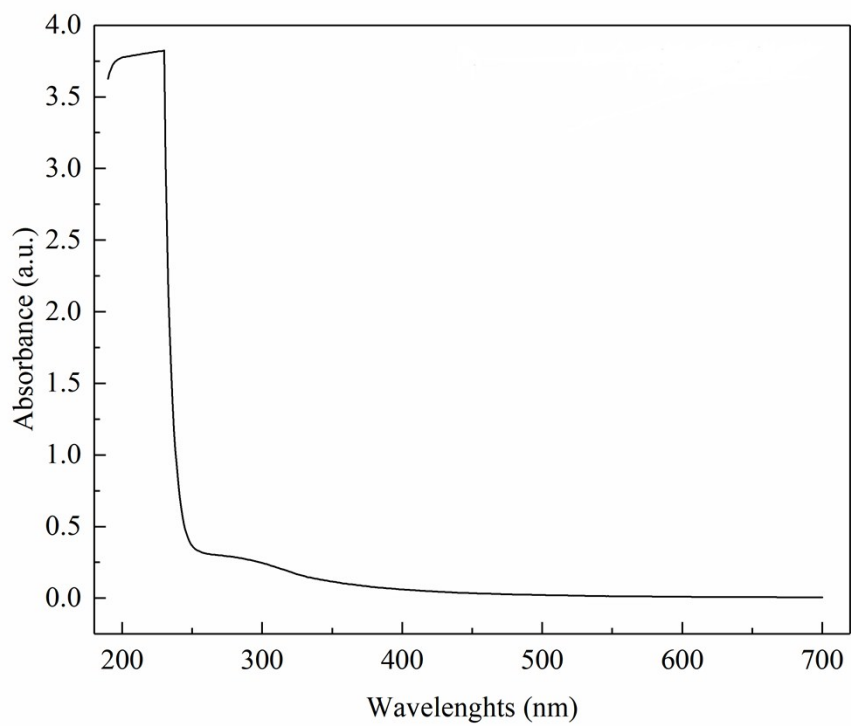


Fig S4. The UV-Vis absorbance spectra obtained by developed prototype