



Instrument Expert Original factory packaging www.dorgean.com





## **Technology Sheet**

CTD-Diver – DI28x

## **Technical Specifications**

| Length                | 135 mm   |        |        |        |          |
|-----------------------|--|--------|--------|--------|----------|
| Diameter              | 22 mm  |        |        |        |          |
| Weight                | 95 g   |        |        |        |          |
| Memory                | 144,000 measurements with backup;<br>continuous and fixed length memory                    |        |        |        |          |
| Wetted parts          |  |        |        |        |          |
| housing               | ceramic (ZrO <sub>2</sub> )  |        |        |        |          |
| o-rings               | Viton ®  |        |        |        |          |
| pressure sensor       | piezoresistive ceramic (Al <sub>2</sub> O <sub>3</sub> )                                   |        |        |        |          |
| cap / nose cone       | Nylon PA6 30% glass fiber  |        |        |        |          |
| conductivity sensor   | platinum electrodes  |        |        |        |          |
| Battery life          | 10 years with 3 minutes or greater sample interval within the calibrated temperature range |        |        |        |          |
| Sample interval       | 1 second to 99 hours   |        |        |        |          |
| Sample methods        | fixed, event dependent, averaging, and pumping test  |        |        |        |          |
| Pressure              |  |        |        |        |          |
| Part number           | DI 281   | DI 282 | DI 283 | DI 284 |          |
| Range                 | 10   | 50     | 100    | 200    | $mH_2O$  |
| Accuracy <sup>+</sup> | ± 0.5  | ± 2.5  | ± 5.0  | ± 10.0 | $cmH_2O$ |
| Resolution            | 0.2  | 1.0    | 2.0    | 4.0    | $cmH_2O$ |
|                       | _  |        |        |        |          |

## Temperature

-20 to 80 °C 0 to 50 °C ± 0.1 °C 0.01 °C

⁺ typical

Range

Calibrated

Accuracy<sup>+</sup>

Resolution

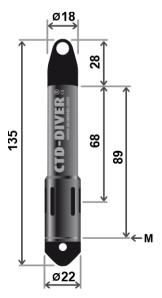
- ± 1% of reading 0.1 % of reading
  - <sup>†</sup>user adjustable

Conductivity

0 to 30 or 120 mS/cm<sup>†</sup>



Actual size



M = membrane Dimensions in mm