

## **Well Flow Management**

Fluids Sampling and Analysis

## **E-Clock**

E-Clock is designed to fire the SRS/PCS sampler at a preset time. It can be set to trigger in the time range of 1 minute to 4,800 minutes (80h) or up to 9,600 minutes (160h) when an extended capacity battery is used. The accuracy of the E-Clock is within  $\pm 5$  minutes/day.

## Features

- Can be operated in wells with high pressure and temperature without compromising safety
- The maximum working temperature of E-Clock is 300°F/150°C (it can be exposed once for maximum 350°F/180°C but must be serviced after)
- The battery can be used for a total of 80 hours or 160 hours when an extended capacity battery is used
- High torque geared BLDC motor
- Very long countdown time
- High level of accuracy
- High level of reliability

| Battery types                |                 |
|------------------------------|-----------------|
| Standard battery             |                 |
| Operational temperature      | -20°C to +150°C |
| Open circuit voltage at 25°C | 11.7 V at 25°C  |
| Rated capacity               | 0.8 Ah          |

| Extended capacity battery    |                 |  |
|------------------------------|-----------------|--|
| Operational temperature      | -20°C to +150°C |  |
| Open circuit voltage at 25°C | 11.7 V at 25°C  |  |
| Rated capacity               | 1.6 Ah          |  |

| High temperature battery     |                 |
|------------------------------|-----------------|
| Operational temperature      | -70°C to +200°C |
| Open circuit voltage at 25°C | 7.2 V at 25°C   |
| Rated capacity               | 1.1 Ah          |



| Technical specifications              |              |
|---------------------------------------|--------------|
| Operational temperature               | 0°C to 180°C |
| Overall diameter                      | 30mm         |
| Total make up length (excluding cone) | 325mm        |
| Total weight (including battery)      | 0.72kg       |
| Power consumption (only electronics)  | 3 mA         |
| Power consumption (including motor)   | 50 mA to 100 |

For more information contact your local Expro representative or email **fluids@expro.com** 

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