

ORAKEL PRIMARY DEVICE

AN OPEN CHANNEL, NON CONTACTING FLOW METER DESIGNED FOR USE WITH FLUMES AND WEIRS

The Orakel Primary device system includes controller and external level transducer. Intuitive and versatile flow module integral to the Orakel converts level readings to flow measurements through weirs or flumes using standardised formulas.



KEY FEATURES

ULTRASONIC LEVEL SENSOR

- Sophisticated method of determining surface level and therefore depth
- Easily fine-tuned to the site parameters
- High performance echo discrimination
- Loop powered
- ATEX Zone 1 approved

ORAKEL PRIMARY DEVICE

KEY FEATURES

ORAKEL ANALYSER

- A compact electronic control and communication system
- 4" colour screen with nine-button keypad for control and data entry
- Internal SD card logging
- Multiple language selection
- IP65 splash-proof casing
- Analogue outputs for data loggers and SCADA systems
- 2 relays as standard

OPTIONAL ACCESSORIES

- Multichannel GSM data logger and webhosting
- Full Detectronic Datacentre package
- ATEX Zone 1 galvanic isolator and sealed enclosure
- Additional water quality sensors

TECHNICAL SPECIFICATION

ORAKEL ANALYSER

POWER:

100-240VAC/0.25A or 12VDC/0.8A.

INPUTS:

Up to 4 configurable sensor inputs.

OUTPUTS:

Up to 4 configurable outputs.

DIMENSIONS:

309 x 230 x 103mm.

WEIGHT:

2kg.

IP RATING:

IP65, Nema 4X.

ENCLOSURE MATERIAL:

flame retardant ABS.

ULTRASONIC LEVEL SENSOR

LOOP POWERED:

4-20mA.

RANGE:

0.125-3m.

ACCURACY:

2mm.

IP68 sealed.

Ex mb ATEX certified.

Programmable with HART modem.

DIMENSIONS:

77mm dia. x 134mm.

WEIGHT:

1kg.

OPERATING RANGE:

-40°C to 80°C.

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