





ALLEGATO 10

IN COLLABORAZIONE CON





field fluorometers for the hydrogeology



Hom	Homo	FL30 fluorometer	FL24 fluorometer	Applications	Contact	Literature	FAQ	۱
	Hollie	for surface waters	Downhole					ı

Datalogger





Diameter 48 mm Height 236/270 mm Usage: tracing experiments in 2" boreholes tested to depths of 70 metres. No

Flow-through downhole field fluorometers

GGUN-FL22 and FL24

mechanical parts, no wear. Can be used as well with quick-connect fittings and 6 mm tubings. Double excitation - double detection allows measurements of 1 tracer and turbidity. Model FL24 has quadruple excitation and detection axes, allowing simultaneous use of three tracers and independent turbidity measurement.

The sonde connects with a 4-wire signal cable to a waterproof box hosting a datalogger and 1 or 2 batteries. The datalogger provides power, timing, clock and data storage capability. The signal is transmitted in digital form. The box can connect to any PC through the RS232 interface. For unattended work, the datalogger stores as many as 4 x 60,000 samples and water temperature (0.01°C accuracy) on a Compact Flash card.

A recent datalogger version features following advantages: LCD display on 2x16 characters, USB interface instead of RS232, microSD card instead of CF, and optional GPRS modem for remote data access through the web. Click here for comparing dataloggers.

The surface sonde (FL30) is preferred for its better stability in turbidity measurement and ease of use if the diameter is not a concern.

See available dye tracers

Number of optics

Turbidity measurement

Detection limit

Measuring interval

Recording time

Memory capacity

Serial output for PC

Power supply (lead battery)

Battery capacity

Stand-by consumption

Analog-digital conversion

Connections

Sonde casing

Battery box (datalogger)

Integrated thermometer

2 (FL22) or 4 (FL24)

0.2 to 100 NTU

2 x 10⁻¹¹ g/ml typical (uranine)

9 sampling rates from 2 sec up to 20 min

several weeks

2 GB

RS232 (or USB with adaptor cable) or USB with new

logger

6 to 12 Volt

12 to 24 Ah (1 or 2 batteries)

1.5 mA

24 bit unipolar

cable (30 m or more) weight: 1kg/10m

stainless steel: 3 kg

waterproof, weight: 7.9 kg with 2 batteries 6V12Ah

sensitivity: 0.01°C