

2114-OCF

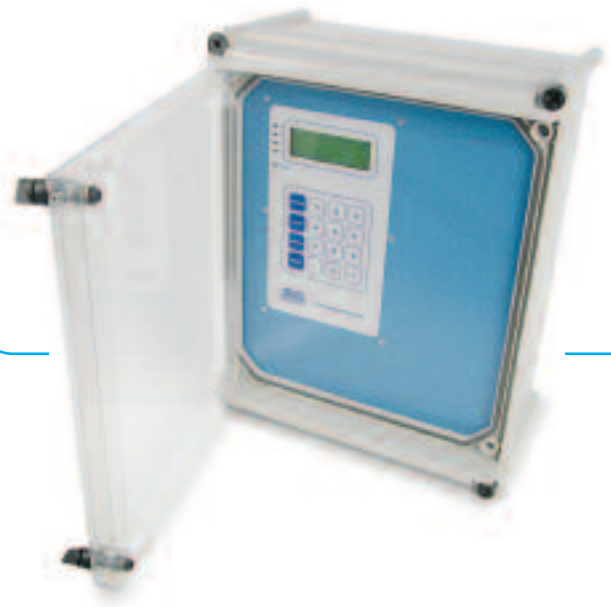
Open Channel Flow Monitor



Continuous flow monitoring of open channel flumes and weirs

Over 30 years of Arjay's field proven HF capacitance technology has been applied to the 2114-OCF open channel flow monitors. The sensing probe continuously monitors stream levels for conversion to flow outputs.

- capacitance technology does not foul or require cleaning
- no moving parts
- remote alarm unit mounts safely away from the stream



ARJAY

2114-OCF

The 2114-OCF sensing probe monitors the capacitance field between the probe and its concentric shield. As the level of water increases in the stream, the probe capacitance changes. This level is proportional to flow based on the Manning equations for flumes and weirs.

■ Features and Benefits

- no moving parts
- remote electronics via standard twisted pair
- available with Intrinsic Safety Barrier for Hazardous Locations
- high corrosion resistant Teflon and stainless steel wetted parts
- HF capacitance technology does not require routine cleaning
- easy calibration and control set-up
- display of level, flowrate, and flow totalization
- outputs for level, flow and totalization

■ Technical Specifications - Control Unit

Operating Temperature	0°C to 50°C
Power Input	24 vdc or 110 vac or 220 vac
Analog Output	4-20 mA proportional to flow
Interface	RS-485 Modbus available
Display	backlit display of level, flowrate and totalization
Alarm Relays	4 x 10 amp, SPDT, dry
Standards	UL, CSA, CE
Enclosure	Type 4X, IP65

■ Technical Specifications - Probe

Operating Temperature	0°C to 50°C
Approval	CSA Class 1, Zone 1 and 2, Div 1 and 2, Groups A,B,C,D (also available with an Intrinsic Barrier option)



The four line backlit display provides menu driven set-up functions and a display of flowrate and totalization.



All calibration, control relays and power wiring is available at the main control unit. This can be safely mounted up to 1 km away from the stream.



The unique PMC circuit design, exclusive to Arjay, immediately converts the sensor signal to a frequency pulse for furtherance to the controller.

Arjay SS-06



Arjay Engineering Ltd.
2851 Brighton Road
Oakville, Ontario
Canada L6H 6C9

tel
fax
N. America
email
web

++1 905-829-2418
++1 905-829-4701
1-800-387-9487
arjay@arjayeng.com
www.arjayeng.com

