

#### Reliable

Reliable flow measurement allows reliable detection of leaks in the dam

### Cost effective

Sensor with high protection rating for long service life, even under extremely humid conditions

#### User friendly

Easy setup via external display and adjustment unit



# Flow measurement at the dam

The seepage water in the dam of the hydroelectric plant is collected in pipes or channels. The quantity of seepage water provides information on the condition of the dam (another indicator of the condition of the dam is the clouding of the seepage water which is also assessed). The quantity of water flowing in an open channel is measured via water head height as it passes through a 'V' notch, flume or weir structure, which is then calculated into flow rate.

## More details



# **VEGAPULS C 21**

Non-contact flow measurement with radar at the dam of the hydroelectric power plant

- Non-contact, high accuracy flow measurement
- Unaffected by environmental influences
- Simple set up with integrated flow characteristics

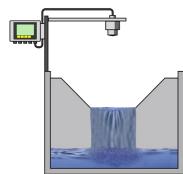
### **Show Product**

# **VEGAMET 841**

Flow computation, control and display for open channel flow measurement structures

- Highly accurate calculation of the flow rate
- Clear, simple display of flow rate and total flow volume
- Fast setup and commissioning thanks to simple menu navigation and application wizards

#### **Show Product**





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VEGAPULS C 21 Show Product	VEGAMET 841 Show Product		
Measuring range - Distance	Protection rating		
15 m	IP66/IP67, Type 4X		
Process temperature	Input		
-40 80 °C	1 x 4 20 mA sensor input		
Process pressure	Output		
-1 3 bar	1 x 0/4 20 mA current output		
Accuracy	3 x operating relay 1x failure relay (instead of operating relay)		
± 2 mm			
Frequency	Ambient temperature		
80 GHz			
Beam angle 8°			
Materials, wetted parts			
Threaded connection			
G1½/G1, 1½ NPT/1 NPT, R1½/R1	_		
Seal material			
FKM			
Protection rating			
IP66/IP68 (3 bar), Type 6P			

