



### Head Height inch/mm selectable

### All Wiers Supported

### Head Correction Available

### Relay & Alarm outputs

### Head/RoF Field Selectable

### Alarms with Switching Bands

### Order Code

### General Expression

$$RoF = K_w (L - K_h H) H^n$$

L is Length of Wier  
 $K_w$  is wier constant  
 $K_h$  is head correction constant  
 H is level head  
 n is RoF factor  
 n may have any value in  
 range 1.00 to 6.00  
 not limited to 0.5 steps

### Wier Types and Factors

Rectangular wier  
 without contraction

$$RoF = K_w L H^n$$

$K_h = 0$  : no head correction

Rectangular wier with contraction

$$RoF = K_w (L - K_h H) H^n$$

head correction applied

Trapazoidal wier with contraction

$$RoF = K_w L H^n$$

$K_h = 0$  : no head correction

Notch wier (90° or any angle)

$$RoF = K_w L H^n$$

$K_h = 0$  : no head correction  
 n may have value 2.39 to 2.67

- RoFC-ICT Rate of Flow Calculator with Indicator, Controller and Transmitter
- ICT-- Indicator, Controller and Trasmmitter have following fixed specifications  
 Power Supply : 80 to 260VAC 50/60Hz max power consumption is 5 Watts  
 Enclosure : Aluminum pressure die-casted windowed IP-65 with 3 Cable entried having PG-11 glands
- Rx Number of alarm and SPDT relay outputs R1 = 1 Realy, R2 = 2 Relays, R3 = 3 Relays
- Sensor-- Sensor is always SS-304 coated with PTFE insulation, inactive length material is always SS-304  
 Sensor Process connection material is always SS-304 unless otherwise specified
- SGxxx Sensor Inactive (non-measurement) length 0mm or 100 to 300mm  
 SLxxxx Sensor Active (measurement) length 100 mm to 3000mm
- SPx Sensor Process Connection Type (PFL: Flanged Type – description of flange - FL -at the end of order code)  
 (PB1: BSP 1", PB2: BSP 1 1/2", PB4: BSP 1 1/4", PB5: BSP 2")  
 (PN1: NPT 1", PN2: NPT 1 1/2", PN4: NPT 1 1/4", PN5: NPT 2")  
 (PT1: Triclover/Triclamp 1 1/2", PT2: Triclover/Triclamp 2")(PCS: Special Process Connection)
- FLxx Flange type and bore size specified for ASA/ANSI/JIS/DIN/Custom