

FLOW INDICATING TOTALISER

NIVAM

μCN 3400
μCN 3401
μCN 3402

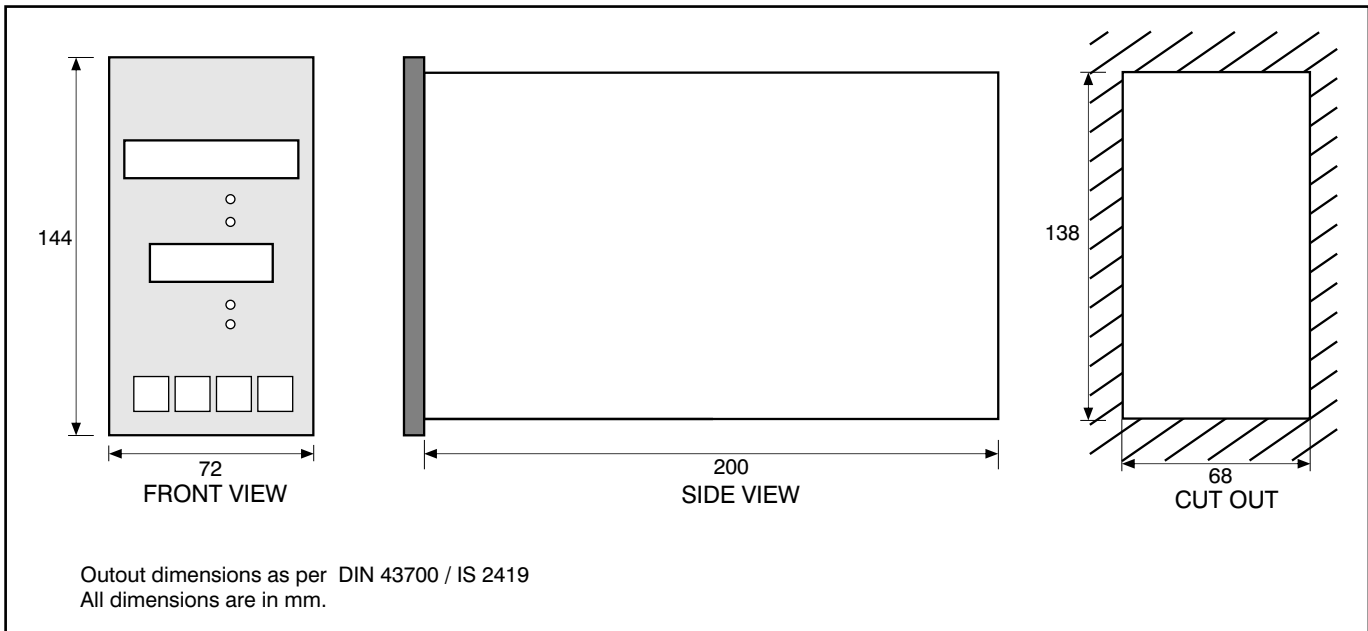
SALIENT FEATURE

- Universal / dedicated input selectable from front key pad
- Resolution better than 15 ½ bits
- 4 digit 0.3 " 7 segment LED for flow rate indication
- 6 digit 0.3 " 7 segment LED for totalisation
- Fully programmable from front keypad
- Isolated linearised 4 - 20 mA retransmission output
- Alarms and batching facility (programmable)
- Regulated 24 V @ 30 mA DC supply for powering one two wire transmitter
- PC communication through RS 485 / RS 232 (MODBUS RTU protocol) Optional
- Permanent memory for totalisation with battery back up



TECHNICAL SPECIFICATIONS

Model	μCN 3400	μCN 3401	μCN 3402
Input	Universal / dedicated, I/P type selectable from, (a) 0/4 to 20 mA (b) 0/1 to 5 Volts (c) 0/2 to 10 Volts (d) Frequency 0 to 1 / 10 kHz	2 nos. 4 to 20 mA DC, from (a) From D.P. transmitter (b) From temp. transmitter [For saturated steam]	3 nos. 4 to 20 mA DC, from (a) From D.P. transmitter (b) From temp. transmitter (c) From press. transmitter [For superheated gas flow]
Indication	: 6 digit, 7 segment 0.3" LED for totalisation (With programmable decimal point) : 4 digit, 7 segment 0.3" LED for flow rate indication		
Range	: Programmable. (Please specify)		
Accuracy	: Better than ±0.25 % of FSD		
Input impedance	: 100 Ohms. (For 4 to 20 mA Input.)		
Output	: 4 to 20 mA proportional to flow rate - Isolated		
Zero cutoff	: Programmable at 1%, 2%, 5% & 10%		
Transmitter supply	: 24 V DC @ 30 mA for powering one two wire transmitter		
Operation	: Linear or square-root, programmable		
Count rate	: Programmable (0 to 999999 Counts/Hr.)		
Alarms	: 2 Nos. on flow rate with internally fixed hysteresis of 10 counts		
Relay rating	: 5 A @ 230 V AC resistive load		
Batching	: 2 independent batch settings possible with two independent relays		
Keyboard	: 4 Nos. of keys		
PC communication	: RS 232 / RS 485 (MODBUS RTU Protocol) Optional		
Supply voltage	: 230 V AC / 110 V AC, ±10%,50Hz, Single Phase		
Power required	: 7 Watts max.		
Operating temp.	: 5 - 50 ° C		
Humidity	: 90% max. Non-condensing.		
Mounting	: Panel.		
Cutout	: 138 X 68 (H X W) in mm		
Dimensions	: Bezel size: 144 X 72 X 205 (H X W X D) in mm		
Weight	: 3 Kg. (Approx.)		



Ordering information

Order Code:	XXXXXXX	XX	X	X	XX	(XX....X)
Model	μCN 3400 μCN 3401 μCN 3402					
Batching	None 2 Batch	0B 2B				
PC Commu- -nication	None RS 232 RS 485		0 2 4			
Supply	110 V AC, ± 10%, 50Hz, Single phase 230 V AC, ± 10%, 50Hz, Single phase			1 2		
Enclosure/ Mounting	Panel Explosion proof				P EX	
Range	Specify the range and engg. unit for calibration.....					
Sample order code	μCN 3400	2B	2	2	EX	0 to 10 TPH

Specifications mentioned in this datasheet are subject to change without prior notice due to continuous up-gradation of products.

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