



ELECTROMAGNETIC INDUCTION FLOW METER

ELECTROMAGNETIC INDUCTION FLOW METER WITH FLOW CONVERTER COMPLETE WITH DISPLAY

- Designed for the measurement of most conductive fluids in many industrial sectors.
- Process connection: standard flange (EN 1092) wafer, threaded (ISO 228-1) and clamp (DIN 32676).
- AISI 316 plastic-coated tube.
- Four standard measurement electrodes in AISI 316.
- Converter equipped with microprocessor electronics housed in a painted aluminium casing; available in compact and measuring tube-mounted design or separate design (wall or panel).
- Outputs: 2 pulse/flow sensor digital outputs; 1 analogic output 4-20 mA.
- RS485 Modbus connection.
- Power supply: 110-230 Vac (optional 24 Vac/Vdc).
- IP65 protection.
- Epoxy painting.



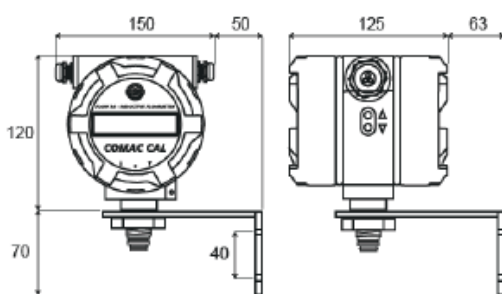
Diameter	Coating		Class
DN15	-	PTFE	PN40
DN20	-	PTFE	PN40
DN25	RUBBER	PTFE	PN40
DN32	RUBBER	PTFE	PN40
DN40	RUBBER	PTFE	PN40
DN50	RUBBER	PTFE	PN40
DN65	RUBBER	PTFE	PN40
DN80	RUBBER	PTFE	PN40
DN100	RUBBER	-	PN16
DN125	RUBBER	-	PN16
DN150	RUBBER	-	PN16
DN200	RUBBER	-	PN16
DN250	RUBBER	-	PN10

FLOW METER

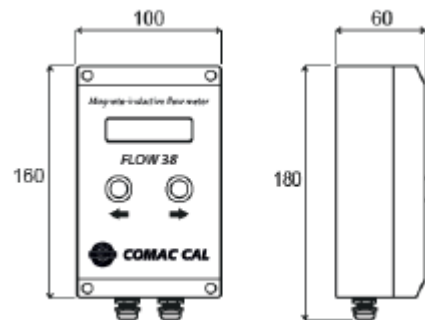
Technical features	
Power supply	110...230 V AC (50/60 Hz), 24 V AC/DC reverse polarity protected
Power consumption	4.6 VA
Standard	Compact (Tmax 90 °C), separate (standard cable length 3 m)
Electrode materials	AISI 316Ti DIN 1.4571, Hastelloy C4, Titanium, Tantalum
Construction	Fully welded measuring tube
Fluid conductivity	> 20 µS/cm
Measurement range	(Qmin/Qmax) standard bi-directional 0.2 to 12 m/s (1/60); Optional 0.12 to 12 m/s (1/100); 0.06 to 12 m/s (1/200)
Measurement accuracy	> 0.5 %, Repeatability > 0.2 %
Additional electrodes	Grounding and liquid detection
Display	LCD 2x16 alphanumeric characters
Controls	2 × external keys (measures visualization) 3 × interna keys (measure visualization and scheduling modification)
Ambient temperature	< 55 °C

CONVERTER

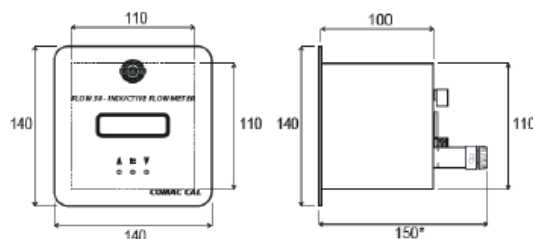
Standard



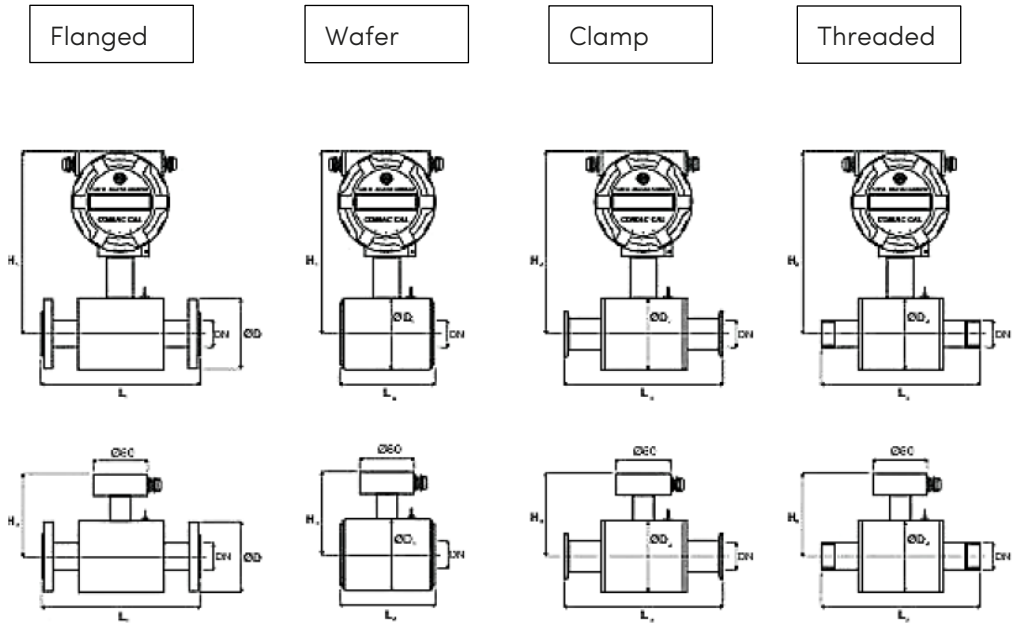
Wall mounting



Panel mounting



DIMENSIONS



Nominal diameter	Construction length (mm)				External diameter (mm)		Total height			
	Flanged	Wafer (PN25)	Threaded	Clamp	Sensor body		Compact version		Separate version	
					Wafer (PN25)	Flanged/ threaded /clamp	Flanged/wafer (PN25)		Threaded/clamp	
DN	L	L	L	L	D	D	H	H	H	H
15	200	90	190 (½")	175	51	70	173	177	86	90
20	200	90	200 (¾")	175	61	80	173	182	86	95
25	200	90	200 (1")	175	71	90	178	187	91	100
32	200	90	228 (1 ¼")	175	82	100	183	192	96	105
40	200	110	248 (1 ½")	203	92	116	188	200	101	113
50	200	110	258 (2")	211	107	136	196	210	109	123
65	200	130	On request	On request	127	151	206	218	119	131
80	200	130	On request	On request	142	177	213	231	126	144
100	250	200	-	-	168	-	226	-	139	-
125	250	200	-	-	194	-	239	-	152	-
150	300	200	-	-	224	-	254	-	167	-
200	350	200	-	-	284	-	284	-	197	-
250	450	-	-	-	-	-	327/-	-	240/-	-