

FC2

ELECTROMAGNETIC FLOWMETER



DIAMETER RANGE 10 TO 1200mm

HIGH ACCURACY WITHIN $\pm 0,2\%$

BI-DIRECTIONAL FLOW METERING

STABILITY OF MEASUREMENT

LONG OPERATING LIFETIME

WIN10 SOFTWARE SUPPORT

LARGE GRAPHICAL DISPLAY
WITH CUSTOMIZABLE LAYOUT

3X ISOLATED PROGRAMMABLE OUTPUT
DATALOGGER MEMORY WITH REAL TIME

APPLICATIONS

WATER, FOOD, PAPER AND CHEMICAL INDUSTRY

SIMA[®] servis, Ltd.

VIDENSKA 101/119
619 00 BRNO
CZECH REPUBLIC

TEL.: (+420) 547 212 637
EMAIL: INFO@SIMASERVIS.CZ
WWW.SIMASERVIS.CZ



FC2

ELECTROMAGNETIC FLOWMETER

DN	10 TO 1200mm
PN	1,0 TO 4,0MPa
FLOW RANGE	0,1 TO 10m/s (0,02 TO 5000l/s)
ACCURACY	0,2% OF MEASURED VALUE IN RANGE 0,5 TO 10m/s 1% OF MEASURED VALUE IN RANGE 0,1 TO 0,5m/s
MAXIMAL MEDIUM TEMPERATURE	UP TO 80°C / 176°F (HARD RUBBER LINING) UP TO 150°C / 302°F (PTFE LINING) UP TO 130°C / 266°F (E-CTFE LINING)
AMBIENT TEMPERATURE	0 TO 45°C / 32 TO 113°F
POWER SUPPLY	230V AC / 110V AC OPTIONALLY 15 TO 24V AC / 12 TO 34V DC
POWER CONSUMPTION	MAX. 10VA
LINING	HARD RUBBER PTFE / E-CTFE
FLANGES	IN LINE WITH DIN, ANSI
PROTECTION CATEGORY	COMPACT DESIGN: IP67 REMOTE DESIGN: IP67 CONVERTER; IP67 / IP68 SENSOR
ELECTRODES	STAINLESS STEEL / HASTELLOY / TITANIUM
OUTPUTS (PROGRAMMABLE)	1X MULTIFUNCTIONAL (PULSE, STATUS), ISOLATED (RELEY, LOAD 125V~/1A OR 30V/2A) 1X MULTIFUNCTIONAL (PULSE, STATUS), ISOLATED (TRANSISTOR NPN, LOAD 30V/50mA) 1X MULTIFUNCTIONAL ACTIVE CURRENT (0-20mA OR 4-20mA INTO LOAD ≤ 500Ω)
COMMUNICATION	RS 232 KEYBOARD PERMANENTLY BACKLIT GRAPHICAL DISPLAY
DATALOGGER	MEMORY CAPABLE OF RECORDING UP TO 100 SAMPLES

FC2 FLOWMETER IS A HIGHLY ACCURATE DEVICE WITH MEASUREMENT ERROR WITHIN $\pm 0,2\%$. BOTH NEGATIVE AND POSITIVE FLOWS ARE RECORDED. FC2 FLOWMETER SUPPORTS ADVANCED FUNCTIONS AS EMPTY PIPE DETECTION, DAMPENING OF SUDDEN CHANGES OF FLOW OR SETTING OF DEAD ZONE. PERMANENTLY BACKLIT GRAPHICAL DISPLAY ALLOWS THE USER TO TRACK THE INFORMATION HE CHOOSES. WITH MINIMAL CONDUCTIVITY OF MEASURED FLUID BEING THE ONLY LIMITATION, FC2 FLOWMETER IS AN IDEAL MEASURING DEVICE FOR A WIDE VARIETY OF APPLICATIONS STARTING FROM WATERWORKS AND WASTE-WATER MAINTENANCE TO PAPER OR CHEMICAL INDUSTRY.