



ULTRASONIC FLOWMETER APE5191/B-C-D APE1091/C-I

OUR PRODUCTS

MEASURE

Flow
Level
Pressure
Temperature
Density
Displacement
Rotation
Energy
Voltage
Current
and others...

ANALYZERS

Measure and Control

PH
Redox
Conductivity
Chlorine
Turbidity
Opacity
Oxygen
and others...

AUTOMATIC VALVES

SLUICE GATE
GATE VALVES
Control and on-off Type

VALVE CONTROLLER
Static (Triac)
with Auto/Man

AUTOMATIONS

PLC-PCS
Data-logger
Controller
Control panel

SOFTWARE
ISI-S.C.A.D.A

CUSTOMIZED ENGINEERING

Instrumentation control



ULTRASONIC CONVERTER
APE5191/B
FIELD VERSION (IP67)



ULTRASONIC CONVERTER
APE5191/C
FIELD VERSION (IP65)



ULTRASONIC CONVERTER
APE5191/D
PANEL VERSION (IP55)

ULTRASONIC TRANSDUCERS
APE1091/C CLAMP-ON



ULTRASONIC TRANSDUCERS
APE1091/CF CLAMP-ON FLANGIATI



ULTRASONIC TRANSDUCERS
APE1091/I INSERZIONE



ULTRASONIC TRANSDUCERS
APE1091/IF INSERZIONE FLANGIATI



TECHNICAL DATA

ULTRASONIC FLOW CONVERTER/METER APE5191/B-C-D

Assembly : vers. from field B or C - vers. from front panel D
 Measuring range : speed 0,1 ÷ 6 m/s bidirectional (Optional 12 m/s)
 Keyboard : vers. field 20 keys - vers. from the front panel 8 keys
 Display : on backlit LCD (2 lines x 20 characters)
 Language : Italian and English
 Measure input : from APE1091 type C-I ultrasonic transducers
 Display : in programmable engineering units
 Accuracy : P% = +/- 0.5 f.s. (@V 0,6 ÷ 6 -12 m/s) ---- P% = +/- 0.3 / V (@V > 0,1 and < 0,6 m/s)
 Analogue output : 4 ÷ 20 mA active
 Digital outputs : TRS o.c. totalization (max 30 Vdc - 100 mA-1kHz) (Optional relay 125V-1A-20Hz)
 Serial output : (Optional RS485)
 Data Logger : (Optional)
 Connections to transd. : with terminal block
 Environment : Temperature -20 ÷ 50 °C - Humidity 4 ÷ 95%
 Protection : vers. B IP67 - vers. C IP65 - vers. D IP55 (front)
 Power supply : vers. B and C 100-240 Vac - vers. D 10-30 Vdc
 Dimensions : vers. B L145 H 210 P65 mm - vers. C L160 H210 P110
 vers. D L96 x H 48 x P140 mm (Din 43700)

ULTRASONIC FLOW TRANSDUCERS MODEL APE1091/C-I

Applications : on clean liquids (max. 5% TSS) Pipes in cast iron-steel-various plastics
 Mounting : external on pipe (clamp-on included) (Optional insertion / flanged)
 Piping diameters : Clamp-on Type C DN 20 ÷ 100 - 65 ÷ 600 - 300 ÷ 3000 (optional max DN10000)
 Clamp-on flanges Type CF DN25 ÷ 100 -- Insertion Type I DN 100 ÷ 4000
 Insertion Flanged Type IF DN65 ÷ 200 mm
 Material : PE-AISI316
 Liquid temperature : -40 ÷ 90 °C (150 ° C on request) with automatic compensation
 Environment : Temperature -20 ÷ 70 °C - Humidity 4 ÷ 95% (optional 100%)
 Cable length : 5 m (std.) (Others on request)
 Connections to conv. : with terminal block IP55 (optional IP68 - humidity 100%)
 Power supply : from the converter / meter APE5191/B-C-D

Quality parameters International index: MTBF 100.000 h --Test time before delivery: BURN-IN 100 h

Flowmeter portable version (See bull.458)



Datasheet Bull.	459
Last Update	March 2019
Italian version	
English version	X