

SENSORS &
CONTROLLERSANALYZERS
& SAMPLERSLEVEL, FLOW
& PRESSUREWEB APP &
DATALOGGING

ACCESSORIES

50 SERIES F/L LEVEL DATASHEET

OPEN CHANNEL FLOW METER WITH ULTRASONIC/
PIEZOMETRIC/RADAR LEVEL SENSOR



MAIN FEATURES

- Ultrasonic level measurement; single level, double level, differential level
- Automatic temperature compensation
- Pump operation: single, rotating or timed
- RS485 Modbus RTU serial output
- 2 x programmable analogue outputs
- 5 x relay outputs for intervention pump control thresholds
- 1 x relay output for instrument anomaly alarm, flow totalisation or level 2 alarm

APPLICATIONS

- Wastewater
- Industrial water
- Drinking water
- Cooling towers

CHEMITEC S.R.L.

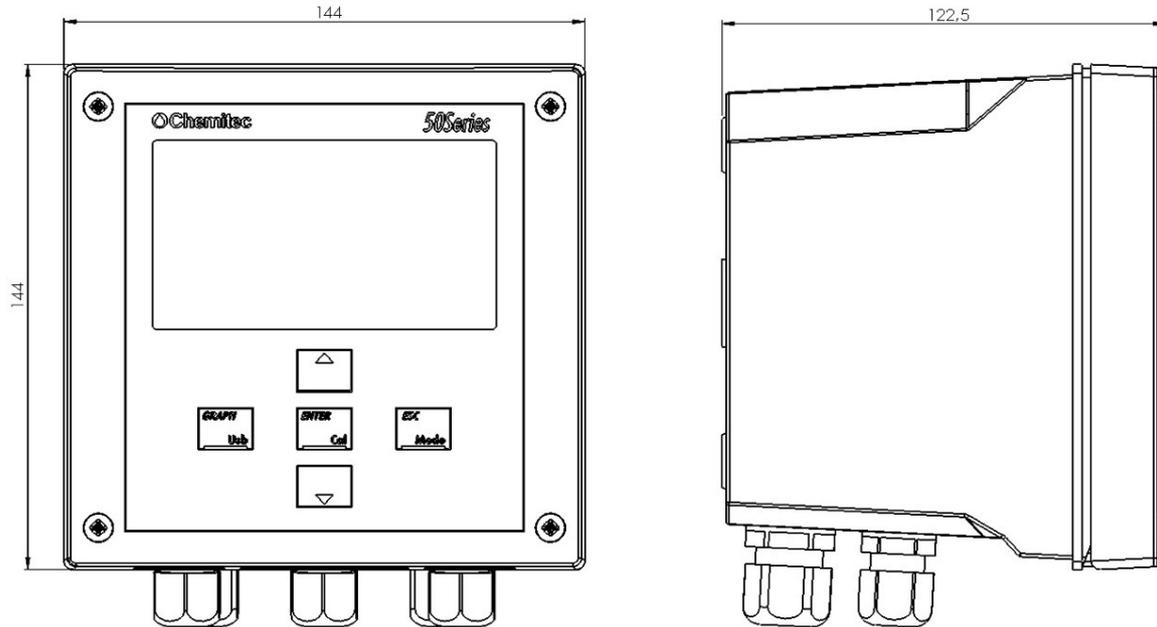
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50 SERIES F/L LEVEL DATASHEET

TECHNICAL DATA

Unit of measure	Level mt, cm, mm - temperature °C
Measure ranges	Level 0...200 mt (in relation to the connected sensor) Temperature -25°C...75°C
Accuracy	± 0.2% F.S.
Visualization	LCD Graphic color display 480(R.G.B.) (W) x 272(H)
Programming	5 bubble-Keys keyboard
Data Logger	Flash 32Mbit Memory (near to 250000 records).
Languages	Italian, English, French, German, Spanish, Polish
Analogue Outputs	Two galvanically programmable separated 1st output: level/temperature - 2nd output: level 2, differential, temperature
4 command digital outputs Max 2 for each measure	Set Point ON – OFF : working range setting (Hysteresys / direction) and pause/working time setting: 000 ÷ 999 Seconds Switching relay Maximum resistive load 3A at 230Vac
Digital outputs	Five for thresholds - One for Alarm (max load 1A at 230Vac resistive)
Powered digital input	To disable dosages or activate washing cycle Possibility to link with a 3 wires - inductive sensor
RS485 Serial output	For set-up and real-time data acquisition from remote or for stored data Data download (using a dedicate-SW) MODBUS RTU communication protocol 1200÷38400 Baud Rate programmable speed
Analogue Input	4-20mA analog input with value engineering 12Vdc power supply for 2 and 4 wire sensors
Operating conditions	Operating temperature -20÷65°C Storage and transport -25÷65°C Humidity 10-95% (non-condensing)
Power supply/ Electrical protections	Power supply 100÷240Vac/dc 50- 60 Hz – 24Vac/dc – Transformer isolation 4KV – Absorbing average < 7W – Electrical Protection: EMI / RFI CEI-EN55011 – 05/99 – According to UL, not connect to relay outputs a voltage exceeding 115V

DIMENSIONS



Mechanical Dimensions	50 Series Level Wall IP66
Dimensions (L x H x P)	144x144x122,5mm
Mounting thickness	122,5mm
Material	Grey ABS RAL 7045
Mounting	Wall
Weight	1 Kg
Front Panel	UV resistant Polycarbonate

ORDER CODES

97P0610010A	50Series F/L Dig. plug&play analyser level Modbus Wall 220V
97P0610013A	50Series F/L Dig. plug&play analyser level Modbus Wall 24Vac