

## CONDUCTIVITY PANELS – PNL S507-CMK

These panels are supplied ready for use, assembled and wired, complete with:

- Electronic control unit, S507-IN
- Inductive conductivity cell, CMK50, with signal transmitter
- Flow through or immersion probe-holder
- Options: flow sensor and integrated dosing pump

See assembly examples at the end of this data sheet.

### TECHNICAL DATA

#### S507 Control Unit

Power Supply	230 V~ ±10%, 50/60Hz, max. 7 VA (other options on request)
Display	dual row, alphanumeric LCD, with backlight
Analogic Inputs	precision better than 0.3% FS / repeatability better than 0.2% FS
Conductivity Input	4-20 mA input for CMK inductive cell, combined with a signal transmitter, available on removable 4-pole terminal block
Temperature Input	directly from Pt100 sensor, available on removable 2-pole terminal block; range -50.0 ... +200.0 °C
Digital Input	OFF input for disabling outputs; accept voltage-free contact; 5V power output, max 5mA
Relay Outputs	2 independent outputs, available on removable 5-pole terminal block; contact max load 250 V~ , 3 A resistive
Current Output	0 / 4-20 mA (configurable); max load 600Ω ; error max 0.5% FS; with galvanic separation
Serial Port	standard RS232, on removable 4-pole terminal block
Environment	Storage temperature -20 ... +60 °C Working temperature -10 ... +50 °C RH max 90% no condensing
Casing	ABS, watertight, wall-mounting with 4 screws
Protection Rate	IP66

#### CMK50 Cell for Inductive Measurements

Cell Body	PEEK
Thermo-compensation	automatic, through built-in sensor
Working Temperature	max 120°C
Cable	10 m
Connection	with proper signal transmitter (CTI-01 series)
Installation	½" G for probe-holder fitting
Transmitter CTI-01/S	power supply 230 V~, output 4-20 mA, range depending on model (up to 10, 20, 50, 100, 200, 500 mS/cm)

### ASSEMBLY EXAMPLES

