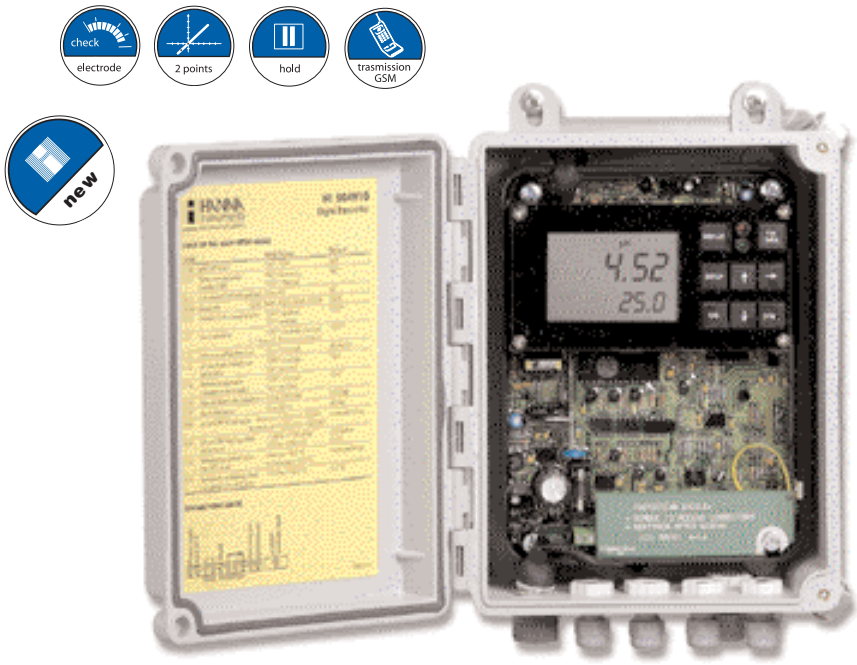
HI 504910

Digital Transmitter



HI 504910 can acquire and transmit pH, ORP and °C measurements in a digital format to the HI 504 controller, or a computer workstation.
The digital link allows the user to send additional information, regarding the pH, ORP and temperature probes. Moreover, this transmitter is provided with the sensor check feature for pH and ORP electrodes, and can be connected to a Pt100 or Pt1000 temperature sensor (with automatic recognition and damage test).
The general setting and measurement parameters of the instrument can be easily set by the user independently for pH and ORP configurations.
The pH range can be calibrated through a normal 2-point procedure or through the innovative one-point system using HI 504920 (see following page).
The temperature compensation mode can be automatic or manual (automatically selected when a temperature input error occurs).
The trasmitter can store up to 6000 samples, pH/°C or ORP, complete with information about last calibration data (date and time, pH offset and slope, number and values of the used buffers).
All stored data can be downloaded through the RS485 communication port using our HI 92500 software.

Specifications

		HI 504910
Range	pH	-2.00 to 16.00 pH
	mV	-2000 to +2000 mV
	Temperature	-30 to 130.0°C
Resolution	pH	0.01 pH
	mV	1 mV
	Temperature	0.1°C
Accuracy (@20°C)	pH	±0.02 pH
	mV	±2 mV
	Temperature	±0.5°C
Installation Category		II
pH Calibration		automatic, 1 or 2 point with 5 memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)
Temperature Compensation		automatic or manual, -30 to 130°C (-22 to 266°F)
Temperature Probe		with 2 or 3-wire Pt100 or Pt1000 sensor (with automatic recognition and damage test)
Power Supply		24 Vac/dc ± 20%
Power Consumption		5 VA
Over Current Protection		400 mA, 250 V fast fuse
Infrared Optical Interface towards HI 504920		RS232, baud rate fixed to 2400
Data Logging		6000 pH/°C or ORP samples
Environment		0 to 50°C (32 to 122°F); RH max 85% non-condensing
Enclosure		fiberglass NEMA case 4X type
Dimensions		216 x 165 x 108 mm (8.5 x 6.5 x 4.25") - excluding mounting feet
Weight		1.5 kg (3.3 lb.)

Accessories

HI 504900	GSM module	HI 7004/1L	pH 4.01 buffer solution, 1 L bottle
HI 504901	GSM supervisor		
HI 504920	Remote user interface pH meter & calibrator	HI 7007/1L	pH 7.01 buffer solution, 1 L bottle
HI 7920	HI 504910/HI 504920 interface cable	HI 7010/1L	pH 10.01 buffer solution, 1 L bottle
HI 7610	Stainless steel Pt100 probe	HI 7020L	200-275 mV test solution, 500 mL bottle
HI 7611	Stainless steel Pt1000 probe		
HI 92500	Windows® compatible software		

Ordering Information

HI 504910 is supplied complete with instructions.