

GSM Supervisor



HI 504901 is an intelligent interface between HANNA instruments® meters with RS232 or RS485 port, and a GSM cellular phone or a local or remote computer with HI 92500 HANNA instruments® software.

HI 504901 can acquire information about active alarms, errors, current status and real time values through two RS232 serial ports with the HI 8000 series, or through the RS485 port with the HI 504, HI 23, HI 24, HI 700 and HI 710 series, and with the HI 504910 transmitter.

HI 504901 is also provided with one digital input (typically an alarm relay) from "non-intelligent" instruments, with only an alarm relay contact or another digital output signal.

Moreover, the interface features one digital output and an input for enabling/disabling the SMS sending function.

LED indicators advise the user for error conditions, active alarms, signal coverage for the cellular module, digital output and cellular module status.

HI 504901 can be completely configured through the HI 504901SW software provided with the instrument.

Other important characteristics of the interface are the real time clock, self-diagnostic capabilities and internal backup battery which provides power supply and cause an alarm SMS sending in case of power failure.



Specifications

HI 504901	
Max Output Power	2 W for EGSM900; 1 W for GSM1800/1900
SIM Interface	3V SIM card
Antenna	dual band (900/1800/1900 MHz)
Digital Input Channel	supporting mechanical relays or open-collector outputs
Digital Output Channel	open-collector output, 5 mA/30V max.
Installation Category	I
Power Supply	12 Vdc adapter (included) and internal rechargeable backup battery (12 V/0.8 Ah)
RS485 Channel	for connection of all instruments with RS485 in the same bus;
Towards Instruments	baud rate up to 9600
RS232 Channel	for connecting 2 instruments with RS232 port;
Towards Instruments	baud rate up to 9600 (limited by the instrument)
RS232 Auxiliary Port	for PC connection
Environment	0 to 50°C (32 to 122°F); RH max 85% non-condensing
Enclosure	ABS case, IP54
Dimensions / Weight	240 x 200 x 98 mm (9.4 x 7.9 x 3.9") / approx. 1.4 kg (3.1 lb)

Accessories

HI 710005	115 Vac/12 Vdc power adapter	HI 920010	Serial cable for PC connection
HI 710006	230 Vac/12 Vdc power adapter	HI 92500	Windows® compatible software

Ordering Information

HI 504901-1 (900/1900 MHz GSM supervisor) is supplied complete with 115 Vac/12 Vdc power adapter, HI 504901SW configuration software and instructions.

HI 504901-2 (900/1800 MHz GSM supervisor) is supplied complete with 230 Vac/12 Vdc power adapter, HI 504901SW configuration software and instructions.