



**Power supply, IS barrier and interface converter for OptiLevel HLS 3010HF level sensors.**

The OptiLevel supply provides the interface between the host and the OptiLevel sensors and can power up to eight HLS 3010HF sensors per supply directly over a serial RS-232C interface. It provides galvanic isolation between each individual sensor, and between the main supply and the sensors, as well as an interface converter from current loop sensor communication to RS-232C. The sensors are connected over individual current loops to the supply. Should a loop be opened, the corresponding input is separated by the supply and is automatically reconnected after the loop closes. When only a limited number of sensors have to be connected, as for smaller sites or remote tanks, OptiLevel is available with one, four or five inputs. All supplies have to be mounted in a non-hazardous area.

## Technical specifications

Optilevel supply	: Number of sensor inputs	Part number	Part number
		230 Vac	115 Vac
	For 1 sensor	3881.750	3881.770
	For 2-4 sensors	3881.751	3881.771
	For 5 sensors	3881.752	3881.772
	For 6-8 sensors	3881.753	3881.773

### Mechanical

Dimensions	: 300 x 230 x 85 mm (w x h x d)
Weight	: Approx. 2.2 kg
Entries	: M20 x 1.5 cable glands (allowed cable diameter 6-9 mm).

### Environmental

Housing	: ABS
Protection class	: IP20
Ambient temperature	: -20 to 60 °C
Safety	: Intrinsic safe TÜV 98 ATEX 1382 II (1) G [Ex ia] IIB

### Electrical

Main power supply	: 230 Vac or 115 Vac (+10 % to - 10 %), 48 / 62 Hz approx. 40 VA
Sensor supply	: 12.4 Vdc, approx. 40 mA
Maximum cable lengths	: 250 m between supply and sensor : 20 m between supply and host system

### Options

Connection cable HLS 3010HF level sensor to Optilevel supply unit

Type	: 3 x 0,75 mm <sup>2</sup> shielded	
Length	: per meter	3881.754
	: 25 m - spooled	3881.755
	: 50 m - spooled	3881.756
	: 100 m - spooled	3881.757
	: >100m - spooled	3881.758
	: > 1000m - spooled	3881.759

## For More Information

To learn more about Honeywell Enraf's solutions, contact your Honeywell Enraf account manager or visit [www.honeywellenraf.com](http://www.honeywellenraf.com)

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