



**Recommended Spare Parts for OFS 2000 Family**

For OFS installations where multiple units are installed or where it is “process critical”, OSi recommends users purchase an entire unit as a spare, to allow absolute minimal downtime. If cost is more critical than downtime, we recommend our “Critical Spares Kit” which contains complete head assemblies plus all the modules from the controller for a cost savings over a whole unit. For installations where down-time is acceptable, we have put together a list of recommended spares, shown below along with the complete table of available spares. Based on an industry-wide average of replaced modules over the past few years, the typical order of usefulness for most field repair needs are:

1. **4-20 ma / RS-232 Interface PCB, p/n 1910-324 (2000/2000W) / 1910-324-1 (all other models)** – All outside wires (control and power) pass through this board, with individual surge protection on all lines.
2. **Receiver (RX) Amplifier PCB, p/n 1910-213 (All exc. 2000F) / 1910-218 (2000F)** – Includes dual channel preamp and demodulation circuits
3. **Transmitter (TX) Driver PCB, p/n 1910-113** – Includes power supply and LED driving circuit.
4. **Quartz Glass Window Kit with Heater, p/n 1910-115-1** – These and the retaining rings below are the only elements that comes in contact with flue gas.
5. **Window Retaining Ring w/ Gaskets & Screws, p/n 1910-808** – Specify 3 hole / aluminum (older units) or 6 hole stainless steel (newer / current units) version.
6. **AC Surge Suppressor, p/n MZ-0383-00** – Protects control unit from heavy power line surges (lightning, etc).

**Available Spare Parts for OFS 2000 Family**

<b>Unit</b>	<b>Sub Assembly</b>	<b>P/N</b>
TX Head Unit	Complete TX Head Assembly	1910-100*
	TX LED Module	1910-110*
	TX Adjuster Mount (incl. LED module)	1910-111*
	TX Driver PCB	1910-113*
RX Head Unit	Complete RX Head Assembly	1910-200*
	RX Preamp with Optics Assy.	1910-210
	Receiver Amplifier PCB	1910-213
TX/RX Head	TX/RX Extender Flange Mount	1910-116
	Quartz Glass Window Kit with Heater	1910-115-1
	4 inch Kevlar Flange Gasket (min. order 2)	FS-1456-00
	Window Retaining Ring w/ Gaskets & Screws (specify 3 or 6 hole version)	1910-808*
Control Box	Complete Rack Mt. Control Unit Assembly	1910-300*
	Complete NEMA4 Control Unit Assembly	1910-301*
	Control Module (Keypad/Display)	1910-309
	Control PCB	1910-311
	4 Button Keypad	MK-1290-00
	VFD Display	ML-1291-00
	DSP PCB	1910-312*
	AC Power Supply	MP-1010-00
	AC Surge Suppressor	MZ-0383-00
	4-20 ma and RS-232 Interface PCB	1910-324/324-1*
<b>* Note: Specify OFS model number and serial to ensure right part is ordered</b>		