

# Stabilized ti Series Laser

## Addendum to the Firestar ti-Series Operator's Manual Version 1.7

1st May 2015

**Important Note:** This document contains important information about installation and operation of the High Stability laser (ti-60w, ti-80w, ti-100w-HS). Except as noted here, refer to the Firestar ti-Series Operator's Manual (on the SYNRAD Laser Manuals CD which is included in the Ship Kit) or on the [synrad.com](http://synrad.com) web site for installation, integration, and operation information.

### Operation:

Front panel for ti-60w, ti-80w, and ti-100w models: The High Stability (HS) laser does not provide DP power.

### Technical Reference:

Firestar ti Series General Specifications:

#### Physical Specifications:

ti-60w, ti-80w, ti-100w (HS), water-cooled (SW models)

Length ..... 21.4 in (544 mm)

Width ..... 4.1 in (104 mm)

Height ..... 5.9 in (150 mm)

Weight ..... 42 lbs (19 kg)

#### Stability Specifications:

ti-60W-HS, ti-80HS, ti-100HS, water-cooled (SW models)

##### Parameter

Output Specification	9.3 $\mu\text{m}$	10.2 $\mu\text{m}$	10.6 $\mu\text{m}$
Stabilized Laser Power (typical) Stability.....	$\pm 4\%$ (cold)	$\pm 4\%$ (cold)	$\pm 4\%$ (cold)
After three (3) min (guaranteed).....	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$