

## **DSP-FTA410**

*Users Manual*

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### **Specifications**

#### **General Specifications**



Power supply:  $\pm 6$  V supplied by the DSP-4000 test tool.

Temperature range: Operating: 0 °C to +40 °C; Storage: -10 °C to +60 °C

Warm-up time: 5 minutes

Humidity range: Operating: 0 % to 75 % RH, non-condensing

Storage: 0 % to 95 % RH, non-condensing

Certifications:  

Dimensions: 3.3" x 4.6" x 1.9" (8.3 cm x 11.6 cm x 4.7 cm)

Weight: 7.6 oz (215 g)

#### **Optical Transmitter**

Connector: SC, multimode

Emitter type: LED

Wavelengths: 850 nm and 1300 nm

Power output at 850 nm and 1300 nm: -20 dBm (10  $\mu$ W), typical  
(into 62.5/125  $\mu$ m fiber)

Power output stability (8 hours) at 850 nm and 1300 nm:  $\pm 0.25$  dB at 23 °C

#### **Optical Receiver**

Power measurement accuracy:  $\pm 0.25$  dBm at 23 °C, 45 % RH to 75 % RH, -20 dBm for 850 nm and 1300 nm, -10 dBm for 1550 nm

Connector: SC, multimode or singlemode

Detector type: Germanium

Calibrated wavelengths: 850 nm, 1300 nm, 1310 nm, and 1550 nm

Measurement range: 0 dBm to -40 dBm

Power measurement linearity:  $\pm 0.25$  dB at 23 °C

Length measurement accuracy:  $\pm 1.5$  m plus 2 % of length

**Table 9. Replacement Parts and Accessories**

Description	Fluke Part Number or Model Number
SC/ST patch cord, multimode, 62.5 µm	FOC-ST/SC
ST/ST test jumper, multimode, 62.5 µm	NF230
ST/ST adapter	NF300SM
SC/SC adapter	NF310SM
Dust cap for the SC connector on the DSP-FTA410 Fiber Test Adapter	669991
LS-1310/1550 Laser Source	LS-1310/1550
FOS-850/1300 Fiber Optic Source (multimode)	FOS-850/1300
<i>DSP-FTA410 Users Manual, English</i>	691656
<i>DSP-FTA410 Users Manual, French</i>	691659
<i>DSP-FTA410 Users Manual, Spanish</i>	691698
<i>DSP-FTA410 Users Manual, Italian</i>	691667
<i>DSP-FTA410 Users Manual, German</i>	691664
<i>DSP-FTA410 Users Manual, Portuguese</i>	691706
<i>DSP-FTA410 Users Manual, Simplified Chinese</i>	691683
<i>DSP-FTA410 Users Manual, Japanese</i>	691691