

WAVE FORCE ONE

MINIATURE FBG USB INTERROGATOR
FOR OPTICAL TRANSDUCERS

ALUMINUM BLACK
ANODIZED ENCLOSURE

USB MICRO-B
CONNECTOR
(USB OUTPUT)

FC/APC FEMALE
CONNECTOR
(OPTICAL INPUT)

U-ART (RS-232)
OUTPUT

SPECIFICATION:

WAVELENGTH [nm]: 808-880

MAX SPS [Hz]: 200*

DIGITAL RESOLUTION: 1 μ ϵ

OPERATING TEMP: 0°C[32°F] to 60°C[140°F]

WEIGHT: 60g [2Oz]

POWER CONSUMPTION: 1W

ELECT. INTERFACE: USB, UART (RS-232)

SOFT. PROTOCOL: UDP (USER DATA PROTOCOL)

HARD. PROTOCOL: DIRECT SERIAL COM.

SOFTWARE INCLUDED: LILIKOI DUAL FBG CALIBRATED
COMPENSATED FORCE VISUALIZATION & DATA LOGGER

3X M3x0.5 ∇ 3 [0.11]
MOUNTING PROVISIONS

PIN 5
(U-ART)
PIN 1

*FOR HIGHER SAMPLING RATE, (ex. 2kHz), SPECIAL REQUIREMENTS & MULTI CHANNEL
SOLUTIONS, CONTACT FACTORY VIA WWW.LILIKOI.COM & INFO@LILIKOI.COM

DRAWN BY: MJ	TITLE: WAVE FORCE ONE INTERROGATOR		 LILIKOI Innovation LLC WWW.LILIKOI.COM
DATE: 3/29/25	DWG NO.: LP1011	REVISION REV 0	
APPROVED BY: BL	ITEM NO.: SEE CHART	MODEL NO. WF1	
DATE: 3/30/25	TOLERANCE BLOCK .XXX ± .050 .X ± .250 .XXXX ± .025 .XX ± .125		
UNITS: MM [IN]			SHEET 1 OF 1