# Optical Power Expert

Next-gen connected power meter
& new fiber inspection probe model

**Guillaume Lavallée**, Product Line Manager
**Geoffroy Dussault**, Marketing Manager

EXFO

# Agenda

**1** Challenges

**2** Key features
Features, benefits and
Unique selling proposition

Let's talk about
Connect-
ivity

**State-of-the-Art**
new connected
Power meter

Optical
**Power Expert**

LIVE
View stored
POWER   PASS ✓
-14.23
270 Hz
1550   ⬇   dBm

**EXFO**

Optical Power Expert

5

# Portable & intuitive



2.8"

Optical Power Exp...

EXFO

FPM-300 Power Meter

# Instant ready ⏱

Patent
pending

### No nulling offset

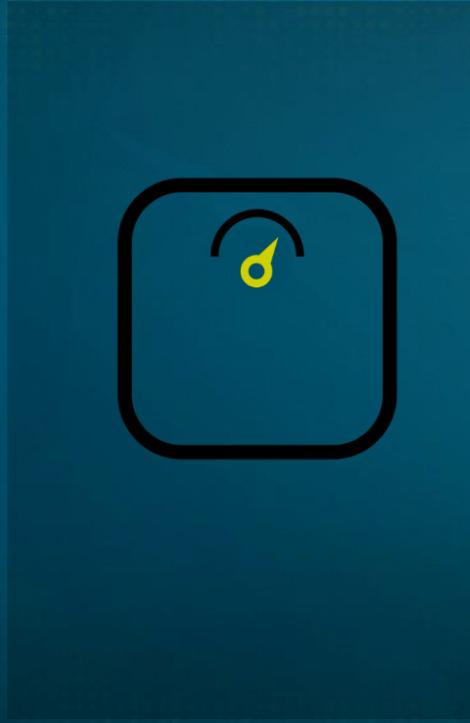Patent
pending

### No warm up

### Instant boot-up

### Easy navigation

**Pocket sized**          **Lightweight**          **Autonomy**
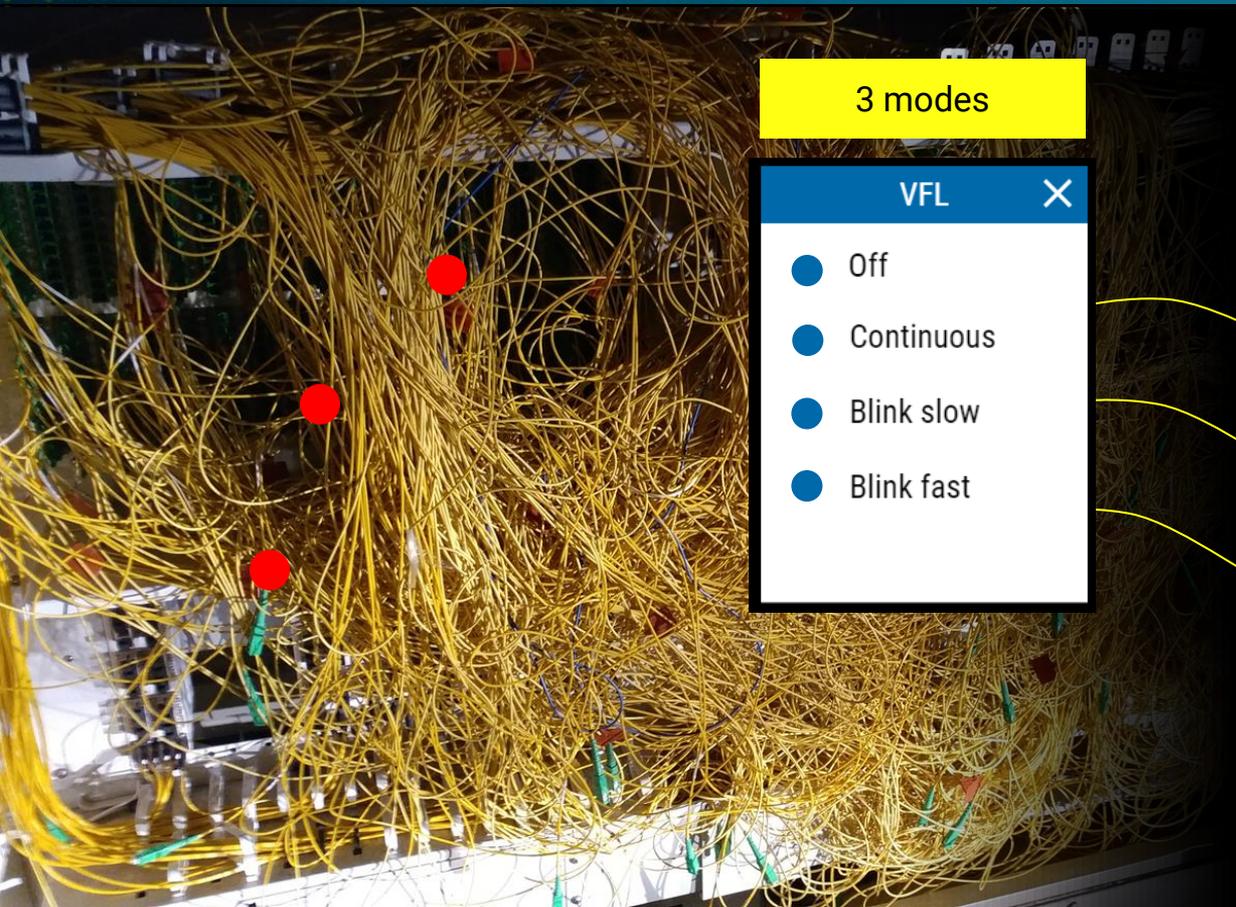
# Modes of operation

Standalone

Smart app

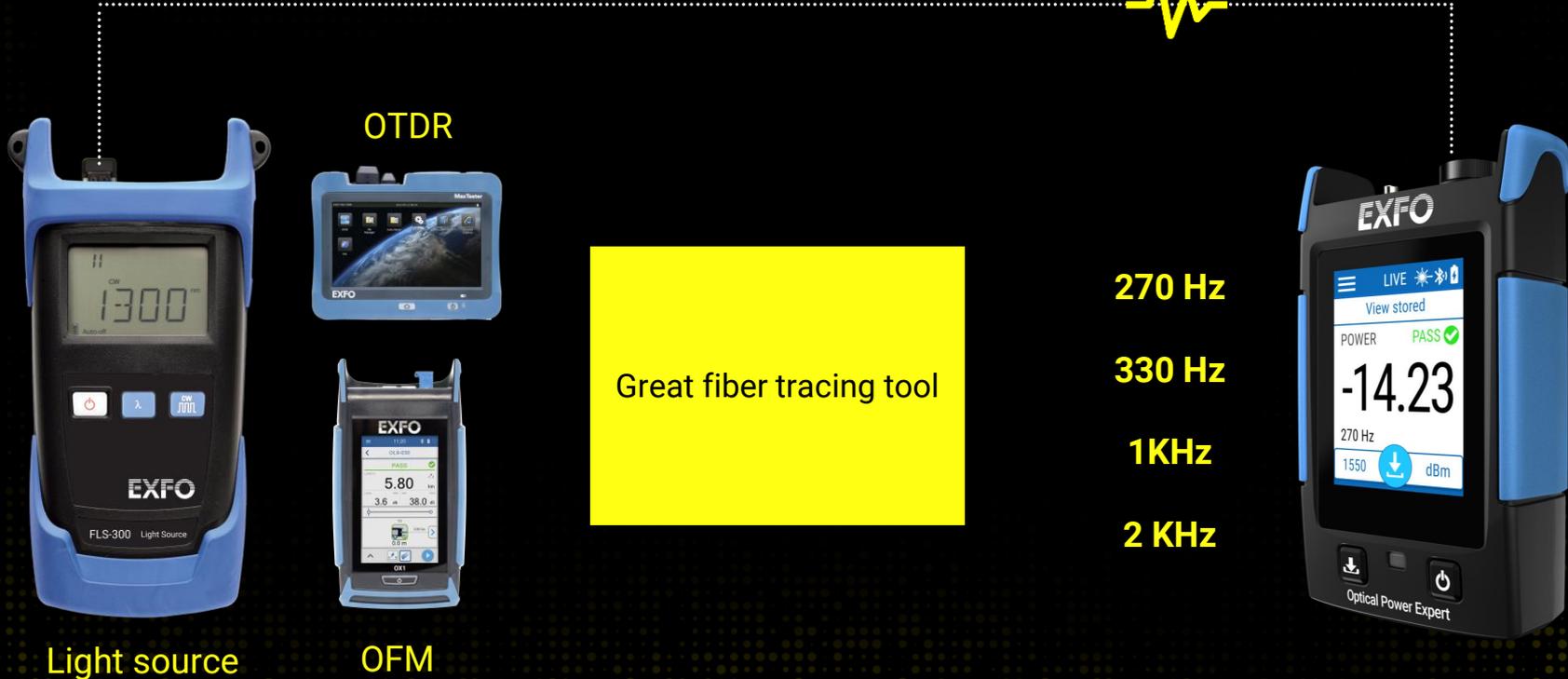Full TestFlow

# Fiber Tracing - Integrated VFL*



3 modes

VFL ✕

● Off

● Continuous

● Blink slow

● Blink fast

Light blink slow, light blink fast, light blink slow, light blink fast

# Fiber tracing - Tone detection

OTDR

Great fiber tracing tool

270 Hz

330 Hz

1KHz

2 KHz

Light source

OFM

11

# Valuable,
# Proven Capabilities

| | |
|---|---|
| Smartphone style power meter | PDF report sharing from the field |
| Automation | Cost of Ownership |

XGS-PON

# Valuable, Proven Capabilities

- Similar experience to smart device

- Color touch screen

Smartphone style power meter

PDF report sharing from the field

Automation

Cost of Ownership

XGS-PON

13

- Sync with smartphone

- Create PDF report to share from field

- Share immediately = $$ saved

- No need to work on PC

# Valuable,
# Proven Capabilities

| | |
|---|---|
| Smartphone style power meter | PDF report sharing from the field |
| Automation | Cost of Ownership |

XGS-PON

14

# Valuable, Proven Capabilities

- Auto-Wavelength recognition & switching with source

- Error-free testing

- Faster operation

| Smartphone style power meter | PDF report sharing from the field |
|---|---|
| Automation | Cost of Ownership |
| XGS-PON | |

15

# Valuable, Proven Capabilities

3 year warranty

3 year calibration

Field replaceable battery

Environmental robustness IP54

| Smartphone style power meter | PDF report sharing from the field |
|---|---|
| Automation | Cost of Ownership |

XGS-PON

16

**Cost of ownership**

Robustness IP54

3-yr Calibration intervals

# Valuable, Proven Capabilities

## 1577 nm Calibrated

| | |
|---|---|
| Smartphone style power meter | PDF report sharing from the field |
| Automation | Cost of Ownership |

XGS-PON

# Features
## summary

**Ease of use**
- ▶ Pocket size form factor
- ▶ Intuitive GUI
- ▶ High visibility color touch screen

**Connectivity & reporting**

**Bluetooth™**

**TestFlow**

**EXFO quality & robustness**
- ▶ 3 yr. warranty & calibration
- ▶ IP54 – Water & Dust protection
- ▶ Field replaceable LiPo Battery

# EXFO Power Meter Mapping



**Value** (vertical axis)

**Features** (horizontal axis)

- MAX-900 OLTS
- MAX-FIP
- FPM-300
- Optical Power Expert
- MPC-100
- Fiber Basix

# Phase-out strategy

PPM-300 & PPM-600

FLS-300 & FLS-600

FOT-300 & FOT-600



2020

Aesthetic update

Aesthetic update

© 2019 EXFO Inc. 21

# Configurations – Features

| | | |
|---|---|---|
| **PX1** | | • 11 calibrated wavelengths |
| **PX1 Pro** | • Data saving<br>• Capacitive color touch screen<br>• Rechargeable LiPo battery<br>• Bluetooth connectivity<br>• Same form factor | • **Visual Fault Locator**<br>• 45 calibrated wavelengths organized in wavelength bundles<br>• Wavelength edition (1nm steps)<br>• Auto-wavelength recognition<br>• Auto-wavelength switching<br>• Includes soft pouch |

# Configurations – Power range

PX1-S / PX1-PRO-S

PX1-H / PX1-PRO-H

**Standard**

10 to -70 dBm

**High power**

26 to -50 dBm

# Product comparison
FPM vs PX1

| | FPM-300 | FPM-600 | PX1 | PX1-PRO |
|---|---|---|---|---|
| | | | **Activation & Turn-up** | **Construction** |
| Data saving | | X | X | X |
| Rechargeable batterie | | X | X | X |
| Backlight | | X | X | X |
| Wavelength edition (1 nm step) | | X | | X |
| Auto wavelength recognition | X | X | | X |
| Auto wavelength switching | | X | | X |
| 45 calibrated wavelengths | | X (40) | | X |
| Wavelength bundles | | | | X |
| VFL | | | | X |

# Models positioning − PX1

**Use cases**

**Features**

Activation & turn-up

| FPM-300 | • Rugged, quality Power Meter | → | **PX1** |

| FPM-600 | • Data saving<br>• Rechargeable battery<br>• Backlight | → | **PX1**<br>Or upsell to PX1-PRO (VFL) |

| EPM-50 | • Price war | → | **EPM-50**<br>Still available |

# Models positioning – PX1 PRO

**Use cases**

**Features**

| Construction | • Combo PM + FLS<br>• Auto wavelength recognition & switching | → | **PX1-PRO** |

| DWDM or LAB | • 45 calibrated wavelengths | → | **PX1-PRO** |