

## BATTERY OPERATED PORTABLE FTNIR SETUP



*Rugged backpack and handheld fibered probe*



*Embedded software for data acquisition*

The ARCOptix FTNIR-PORT is the ideal platform for measuring diffuse reflectance (DR) in the field. Battery operated, it features a light source, spectrometer, fibered reflection probe as well as an active cooling system with dust filters for robustness and long lasting operation. The entire data acquisition and processing is performed on the fly, and can be conveniently operated from a dedicated handheld measuring head. Easy data traceability is ensured thanks to the addition of metadata (GPS coordinates). The fibered probe is mechanically resistant owing to its stainless steel protective sleeve and contact ferrule. The casing can be easily opened to access the battery in order to swap it or recharge it.

### Specifications

Product code	FTNIR-PORT
Instrument	FTNIR-L1-025-2TE (OEM version)
Light source	ARCLIGHT-NIR (OEM VERSION)
Battery autonomy	3h (in operation)
Fibered probe	6x low-OH, 600 µm core diameter silica fibers, stainless steel protection sleeve
Measuring head	Handheld, acquisition trigger, contact ferrule
Backpack dimensions [mm]	450x320x170
Total weight [kg]	4.5
Software interface	Embedded with GPS coordinates and personalized file saving system
Cooling system	Active (air flow) with dust filters