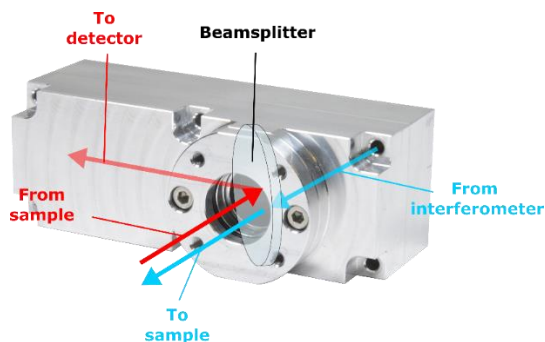


ARCOPTIX COMMON PATH MODULE



Common path module operating principle



Common path module mounted on the OEM010

The ARCOptix common path (OEM-PART-CMP) module is an input/output accessory that can be mounted on our OEM010 series. The common path module features a beamsplitter that allows to guide the modulated beam output by the instrument and the light returning from the sample along the same optical path. This accessory coupled to our parabolic reflector for diffuse measurement (OEM-PART-DRP) offers a high-throughput, free-space solution for measuring diffuse and specular reflection in the MID-IR over a broad spectral range, without being limited to the transparency regions of CIR and PIR optical fiber.



ARCOptix FTIR OEM010 module mounted with the OEM-PART-CMP and the OEM-PART-DRP for diffuse reflection measurement.

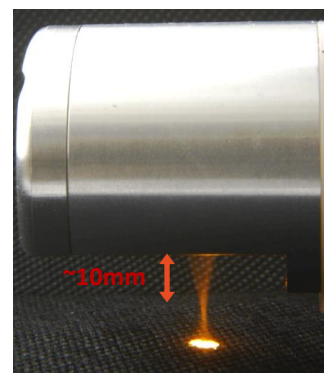


Illustration of the OEM-PART-DRP focusing power.

Specifications

| Product code | OEM-PART-CMP | OEM-PART-DRP |
|------------------|-------------------|---------------------------|
| Internal optics | ZnSe beamsplitter | Gold parabolic reflector |
| Output | Collimated | Focused |
| Working distance | up to 1m | 10mm (to focus from edge) |



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