TECNOLOGIE D'AVANGUARDIA

# OPTIC PROBES

DV tecnologie d'avanguardia offers a whole range of reflectance, absorbance, trasmittance, colour analysis probes for industrial and laboratory use. Our software developers have written specific software and so we can offer to our customer the necessary strumentation for each application, for each research and development requested. DV offers ready analytics systems , by the integration of spectrofotometers and high quality cameras, offers “key in hand” solution and is able to project and realize personalized solutions for various demands. Besides, DV guarantees not only to his customers the assistance, but it gives them in every moment the necessary consultation for an optimal management of the systems. DV plans functional and mechanical solutions that realizes herself thanks to the support of an own mechanical factory.

## IMMERSION PROBES

They are studied for the spectrofotometric characterization of non turbid liquids both in reservoir and in conditions of non turbulent flow. They have a great advantage : to allow the sampling of the environmental parameters in distance, thanks to the transmission in optic fiber. Suitable for the study of organic and inorganic solutions, they work in absorption or in transmission in UV/VIS/NIR. Probes are available both fixed optic path both to varying path between 1 and 12 mm; the last ones allow to optimize the measures of absorption by getting auto-referenced measures. The probes are in steel stainlesss, compact and resistant.

## INTEGRATING SPHERE PROBES

DV plans and produces sphere probes of the wanted dimensions and for the most different requests. The optic planners DVs draw the buffles and the most opportune solutions to adapt the standard geometries to the criticitàs of the measure parameters. Since they use hookups and connections on standard soothe, the probes, that are entirely produced in our work factory in Padua, can be connected to preexisting systems and/or upgraded with new optic solutions. The maintenance of the modular systems assembled in this manner is easier.

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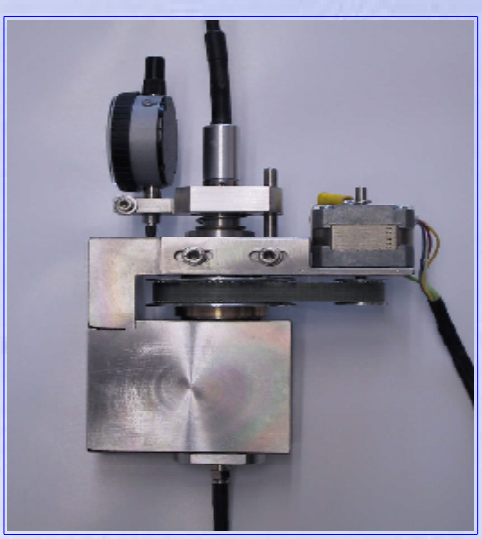
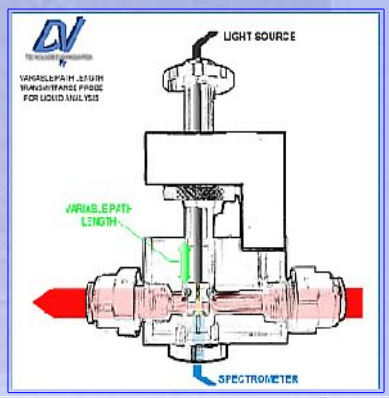
## TRANSMISSION PROBE

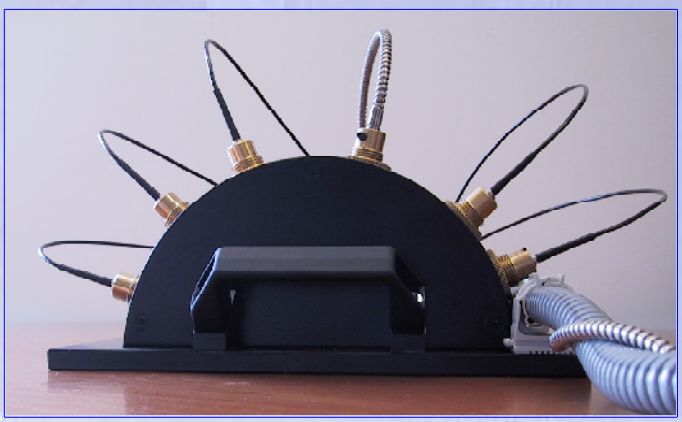


They are mainly projected for in line use in industrial circle for the spectral analysis in real time of the liquids flow and gas. They are available in various versions of the range of optimal optic path. The fixed optic path version results very reliable, cheap and it guarantees elevated performances in terms of repetition and steadiness.
The probes to varying optic path are very supples in dynamics ; in particular the completely automatized version (SCOVM) that allows to the control system a complete monitoring of trial without the direct intervention of the operator. These probes are proper for to withstand to particularly aggressive agents.



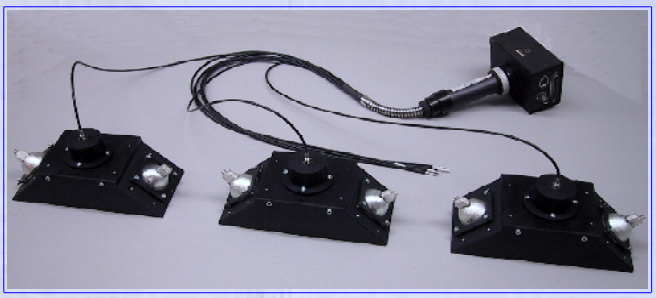

## SPECTROGONIOMETRIC PROBE

This probe is projected to notice the spectrum of the light that is reflected by to surface in different angles. The light uttered by to bright source is conducted through the optic fiber and focused inside the spectrogoniometric probe. The light reflected by the champion in the different directions is noticed by optic configurations equal to that in sent and course through optic fibers to a multi channel spectrometer. The positioning of the sent and survey optics is easily modifiable by acting on the fixing says of the relative supports.



## REFLECTANCE PROBES

DV realizes reflectance probes with proper illumination or conducted illumination joining fiber to notice with precision the reflectance of a sample of different size .
The DV probes are guaranteed for the correctness of the measure according to specific normative and CIE either for the simple lens or to the particular essential optic solutions for the measure on the surface of objects 3D complexes.



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