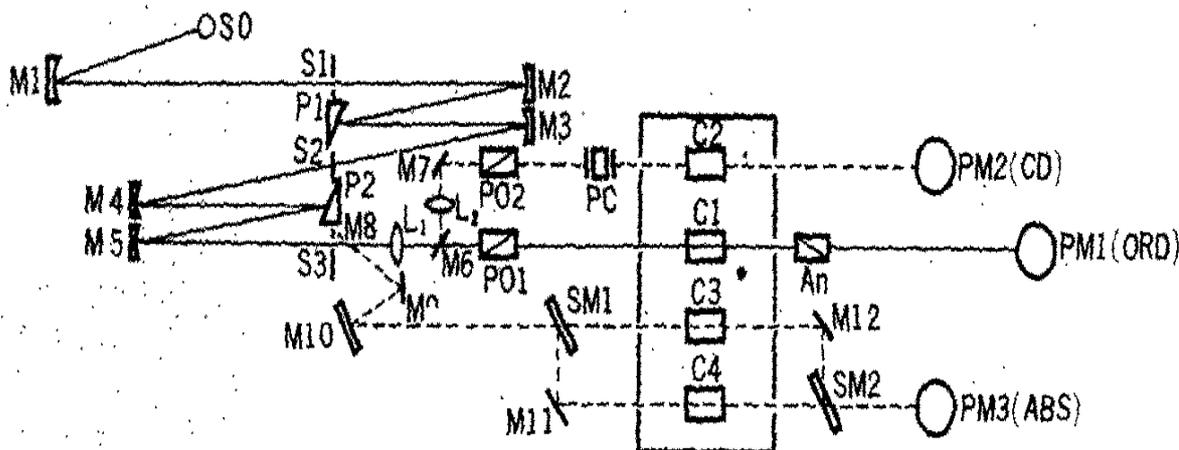


JASCO ORD/UV/CD-5

Would you like a new CD spectrometer able to operate as real double beam UV-VIS spectrophotometer and eventually also as an ORD spectropolarimeter? A dream? See the drawing below:



This is not a dream, this unit was existing and was sold in large quantities around the world at the end of the sixties: the Jasco ORD/UV/CD-5.

Introduced in 1962 for UV-VIS/ORD only, the CD option was developed in 1964 and marketed the following year. It was substantially less expensive than the Cary 60 ORD/CD, since the official 1967 Jasco price was only of US\$ 24,000 and well competitive with the Rudolph Series 3 ORD unit (US\$ 26,960 in 1963), other competitors were the Bendix Polarmatic 62 (ORD only £ 7452, CD option £ 1724 in 1968), the Jouan* CD 185 (CD only), the B&L FICA Spectropol 1 (ORD with CD option), the Perkin-Elmer P23 (ORD only), the Zeiss REPM 12 (ORD only)**. In US it was very well sold by Durrum (the local Jasco dealer of the time, still remembered for its stopped-flow apparatus), despite the high mark-up (US\$ 35,000 Jan 1, 67).

Unit was featuring a Xe source, a double prism monochromator and three, fully independent, but selectable, external optics for CD, ORD and double beam UV-VIS absorption in a very large sample compartment. Moving sample from one position to the other was more or less the only duty left to the operator.

Today in 2002 we have no commercial unit with so many *clean* capabilities. While ORD is rarely used in these days and probably it could be left as an option, far UV double beam absorption capabilities are a real benefit CD spectroscopists would much benefit.

With current modern technology, PC control, today wide choice of sampling accessories, LD capabilities etc it's easy to dream about a new ORD/UV/CD-5.

Would Jasco or other competitors reconsider/reinvent this clever design?

Probably so, if customers would ask for.

* *Jouan had the Roussel-Uclaf license of CD, all other manufacturers were paying royalties*

** *it's curious to see how many famous and less popular names were present in chiral spectroscopy in the sixties. Today market size is by sure larger, but number of players is significantly reduced!*