

# Identify all your samples. Anywhere. Anytime.

Use **RAPID-ID ANALYZERS™** to measure your pharmaceutical samples in drums, at the packaging line, in beakers, vials or in retained-sample bags—and you won't even need to open the container!

**RAPID-ID** systems are non-destructive, clean and incredibly easy to use.

The sample data compare with a self-contained computerized library of common excipients and actives (or with a library you build yourself). All measurements are held in a secure "audit trail" for strict recordkeeping compliance.

Each **RAPID-ID** Analyzer takes a highly specific infrared "fingerprint" of all compounds in your sample.

And because the measurement, calibration and identification are all controlled by our application-tested **IQ<sup>2</sup>™** software, you'll get the answer you need, when and where you need it, without worrying about instrumental error.

The **PROBE** version includes a hand-held wand for direct identification of powders, suspensions and liquids anywhere.

The **DCA IN-PACKAGE** version will accept

beakers, vials or retained-sample bags for direct, through-the-container measurements.



There's a **RAPID-ID ANALYZER** for your specific needs. Call or write today for detailed information.

**NIRSystems**  
A Perstorp Analytical Company

12101 Tech Road  
Silver Spring, MD 20904  
(301) 680-9600



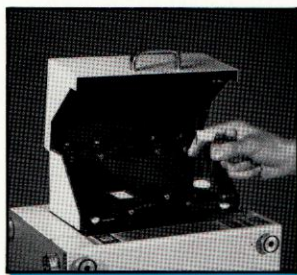
# RAPID-ID ANALYZERS

## FOR PHARMACEUTICAL MATERIAL CONTROL

RAPID-ID analyzers are rugged, application-engineered near-infrared (NIR) spectrophotometers which can detect signals at microabsorbance levels. Unlike laboratory instruments, they are designed to identify and quantify materials in as-received condition. Using special samplers, RAPID-ID analyzers can test powders, liquids, slurries, compressed tablets and materials contained in bags, bottles or beakers.

RAPID-ID analyzers perform their unique measurements without sample preparation and, in many cases, directly in the original container. Major multinational pharmaceutical manufacturers using RAPID-ID analyzers report that on-site testing reduces five-to-fourteen day laboratory testing cycles to minutes.

Each RAPID-ID version includes software for material identification, quantitation and statistical analysis within user-established quality control limits.



### DCA IN-PACKAGE™ VERSION

#### Ordering information

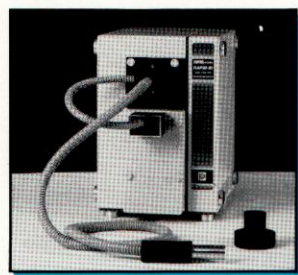
AP-1200 115VAC model

AP-1201 230VAC model

The DCA IN-PACKAGE version analyzes materials in bags or pouches, vials, jars and beakers. Its application-tailored sample apertures will accept single tablets as well.

#### Includes:

- Oscillating grating monochromator (Patented Technology)
- Detector
- Horizontal monochromator mount
- Enclosed sampling stage with permanent reference
- Sample aperture set: 1 each 0.75"/19.05mm dia., 1.063"/27mm dia., 2.01"/51.05mm dia. and pilot-drilled custom plate
- NSAS™ software, 3.5" disks with manual
- IQ2™ software, 3.5" disks with manual
- NIRSystems Pharmaceutical Library software



### FIBER OPTIC PROBE VERSION

#### Ordering information

AP-1000 115VAC model

AP-1001 230VAC model

The PROBE version uses customized fiber-optic bundles with sampling wands for insertion directly into material drums, jars, beakers or any loose material container.

#### Includes:

- Oscillating-grating monochromator (Patented Technology)
- Detector
- Fiber Optic Bundle Interface Kit
- NSAS™ software, 3.5" disks with manual
- IQ2™ software, 3.5" disks with manual
- NIRSystems Pharmaceutical Library software

**One of the following probes is also required for operation.**

AP-6641AN03P Qual Probe, 36"/914mm fiber optic cable, 5"/127mm 316SS wand, for identification and qualification.

AP-6671AN03P Qual Probe, 36"/914mm fiber optic cable, 12"/305mm 316SS wand, for identification and qualification.

AP-6645AN03P Quant Probe, 36"/914mm fiber optic cable, 5"/127mm 316SS wand, for identification, qualification and quantitation.

AP-6675AN03P Quant Probe, 36"/914mm fiber optic probe, 12"/305mm 316SS wand, for identification, qualification and quantitation.

### SPECIFICATIONS:

#### Monochromator dimensions:

14.2"/361mm H x 9.8"/249mm W x 11.5"/

292mm D, nominal

Monochromator weight: 37.5lbs./17Kg, nominal

Typical Noise: <20 microA at 0.0A

Scan speed: 1.8 scans/sec

Wavelength accuracy between instruments:

0.5mm

#### Wavelength repeatability: Short term

reference - 0.01nm, long term - 0.05nm

Data interval: 2.0nm

Photometric range: 3.0 A, 1100-2500nm

Working ranges: 4.0 A - 1100-2500nm,

Linearity: 1% of reading

Stray light: <0.1% @ 2300nm

Operating temperature range: 60-90F/15-32C,  
nominal

#### Computer requirements: Minimum - 286,

math coprocessor, 640KB RAM, 40MB

hard disk, 1.44MB 3.5" floppy disk, EGA

color monitor, DOS 3.3 or higher.

Desired - 386SX, 386 or 486,

25MHz, math coprocessor, extended memory,

80MB hard disk, 1.44MB 3.5" floppy disk, VGA

or Super VGA color monitor, additional serial  
port, DOS 3.3 or higher.