

mPDS 2000 evaluation unit : on-line density and concentration measurement / Anton Paar K.G.

Contributors

Anton Paar (Firm)
Paar Scientific (Firm)

Publication/Creation

Graz : Anton Paar, 1991

Persistent URL

<https://wellcomecollection.org/works/axanhzpv>

License and attribution

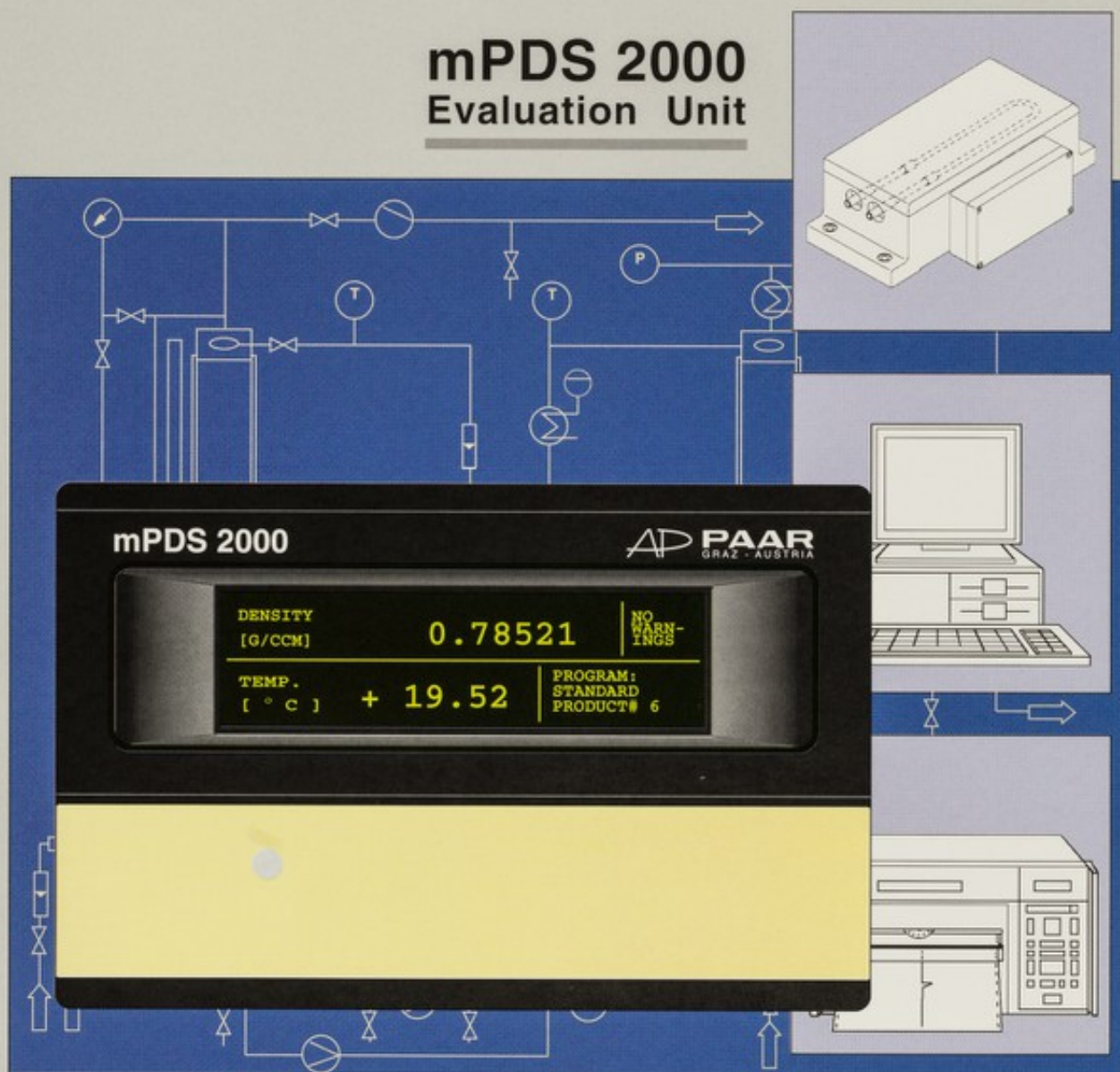
Conditions of use: it is possible this item is protected by copyright and/or related rights. You are free to use this item in any way that is permitted by the copyright and related rights legislation that applies to your use. For other uses you need to obtain permission from the rights-holder(s).



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

AD PAAR

mPDS 2000 Evaluation Unit



On - Line Density and Concentration Measurement

Precise Density and Concentration measurement in industrial processes

mPDS 2000



mPDS 2000 Evaluation unit

The mPDS 2000 is a powerful processor and display unit, designed specifically for use with Anton PAAR's on-line DPR density measuring cells or SPR concentration analyzers. It displays the instantaneous density or concentration as well as the line temperature. Built-in outputs allow it to be used for various control and monitoring purposes. The menu driven software is easy to understand and makes the mPDS 2000 a compact, state-of-the-art, on-line measuring instrument.

- Liquid Crystal graphics display shows easy to read measured data
- Menu driven operation
- Standard program calculates density/concentration
- Simultaneous storage of control parameters for up to 10 samples
- Upper/lower limit monitoring for up to 10 samples
- Program card for special programs

Applications

Accurately measuring density and concentration allows tight control of many industrial processes, leading to increased product quality and considerable savings in production costs. The mPDS 2000 is specifically designed for applications in today's modern process environment:

- Extract and original wort content determination in the brewing process
- Brix determination of soft drinks, juice and liquid sugar
- Concentration measurement of acid and alkali production
- Density, specific gravity and API gravity measurement in petrochemical production
- CO₂ content determination of mineral water
- Quality control in cosmetic, pharmaceutical, general chemical industries
- ...and others

Specifications

System Inputs

- Connector for DPR- or SPR-transducer
- Counter input < 100 Hz
- External product selector switch

System Outputs

- Analog output 4 ... 20 mA
- Frequency output 250 ... 1250 Hz
- Relays for limit monitoring 24 V, 0.7 A
- Computer serial interface (RS 232) 1200 ... 9600 Bd

Power

85 ... 260 V
48 ... 62 Hz
20 VA

Dimensions

194 x 146 x 280 mm
(7.64 x 5.75 x 11.1 inches)
(width x height x depth)

Panel Installation

Panel cut out:
186 x 138 mm
(7.33 x 5.44 inches)

Specifications subject to change without notice.

4/91



Anton Paar K. G., A - 8054 GRAZ, Postfach 58
Kärntner Strasse 322, AUSTRIA-EUROPE
Phone (0316) 28 26 12-0, Telex 33 16 246, Fax (0316) 28 50 69

Instruments for - density/concentration - preparation for electron microscopy
- rheology - fibre testing
- X-ray structure analysis - medical equipment
- preparation for trace analysis - astronomy ... and others

In the U.K. distributed by
Paar Scientific Ltd.
594 Kingston Road, Raynes Park
London SW20 8DN
Tel.: (0044-81) 540 8553
Fax: (0044-81) 543 87 27

Distributed in the United States by
Anton PAAR USA INC.
1030A Wilmer Avenue, Richmond VA 23227
Tel.: 804-264-1097, 1-800-722-7556
Fax: 804-262-0805