



BROOKHAVEN · INSTRUMENTS · CORPORATION

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Photograph: The BI-870 Dielectric Constant Meter

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Brookhaven's new dielectric constant meter

Brookhaven Instruments introduces its new BI-870 Dielectric Constant Meter, a fast and easy-to-use tool for measuring the dielectric constants of liquids. This rugged, compact meter solves the problems associated with measuring mixed liquids and provides the user with precise indication of a suspension's stability.

The BI-870 meter is equipped with a durable, handheld probe made from stainless steel, nylon and Teflon[®], making it easy to clean in almost any kind of solvent. The instrument operates in either of two ranges, 1-20 $\mu\text{S}/\text{cm}$ or 1-200 $\mu\text{S}/\text{cm}$. It is highly precise, with an absolute accuracy of ± 2 per cent in both high and low dielectric liquids, and demonstrates a reproducibility and linearity better than 0.2 per cent.

The BI-870 Dielectric Constant Meter offers laboratories a highly accurate and reliable method of determining dielectric constants of liquid mixtures and supplements the ZetaPlus and ZetaPALS instruments in particle characterization.

more...

750 BLUE POINT ROAD · HOLTSVILLE · NY 11742-1832 · USA

Tel: + 1 631 758 3200

Fax: + 1 631 758 3255

For more information about Brookhaven products, please contact:

Dr. Bruce Weiner
Brookhaven Instruments Corporation, 750 Blue Point Road,
Holtsville, NY 11742 U.S.A.
Telephone: +1(631) 758-3200 Fax: +1(631) 758-3255
e-mail: info@bic.com
www.bic.com

Dr Peter McFadyen
Brookhaven Instruments Limited, Chapel House, Stock Wood,
Redditch, Worcestershire, B96 6ST, UK.
Telephone: + 44 (0) 1386 792727 Fax: + 44(0) 1386 792720
e-mail: info@brookhaven.co.uk
www.brookhaven.co.uk

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Editorial contact for further information or follow-up

Clare Butterfield at **kdm communications limited**, Milton Keynes, UK

Telephone +44.1908.371173 Fax +44.1908.371171

email: ideas@kdm-communications.com