

LNE's services

ASSISTANCE AT EVERY STAGE

- If your measuring instrument is currently being developed, LNE can perform a conformity pre-diagnosis covering some or all of the statutory requirements.
- When you set up your quality system, LNE can perform a pre-audit covering all statutory requirements.
- LNE will assess the conformity of your instrument according to the key assessment modules specified in the Directive.
- LNE can help you choose the most appropriate conformity assessment procedure for your company.
- LNE can keep you informed of all developments concerning interpretation of the Directive.
- LNE can train your staff, through a wide range of courses covering every aspect of legal and industrial metrology.

"ONE STOP" CERTIFICATION

LNE provides a one-stop service enabling you to optimize certification procedures for your quality system and products and meet all your customers' requirements.

- **Quality system certification: LNE ISO 9001 or ISO 14001**
With LNE you can combine certification of your quality system according to the MID with voluntary certification to the ISO 9001:2000 or ISO 14001:2004 standard, for all your company's activities.
- **Product certification: conformity to standards**
With LNE you can combine certification of your measuring instrument according to the MID with certification of type conformity to a standard or an OIML recommendation.



Contacts:
Customer Service
legal.metrology@lne.fr
Tel : +33 (0)1 40 43 37 11



**Laboratoire national de métrologie
et d'essais**
1 rue Gaston Boissier
75724 PARIS Cedex 15 - France
Tel.: +33 (0)1 40 43 37 00
Fax: +33 (0)1 40 43 37 37
www.lne.fr



EUROPEAN DIRECTIVE 2004/22/CE ON MEASURING INSTRUMENTS

Assessing conformity with



WHY LNE?

- LNE is a notified body for the Measuring Instruments Directive, and is actively involved in work on interpreting the Directive carried out by European Cooperation body WELMEC.
- LNE is an accredited metrology laboratory and certification body, recognized throughout Europe and around the world.
- With LNE you can reduce your certification costs by combining audits and services for different types of certification (CE marking, ISO 9001, French regulations...).
- LNE has thorough technical knowledge of your sector and your products.
- LNE has a team of highly qualified and experienced quality system auditors.



LABORATOIRE NATIONAL DE MÉTROLOGIE ET D'ESSAIS



What you need to know about directive

New features of the Directive

Conformity assessment procedures

TWIN OBJECTIVES

European Directive 2004/22/EC on Measuring Instruments (MID) came into force on 30 October 2006. It replaces national regulations in each EU Member State.

The MID covers ten categories of measuring instruments. It aims to harmonize the requirements for new instruments placed on the market or put into use in the EU by eliminating the regulatory differences at national level that hindered trade.

The new-approach Directive allows manufacturers to choose between various conformity assessment procedures for their instruments. It reinforces the European standards and OIML recommendations used by manufacturers to demonstrate compliance with the requirements of the MID.

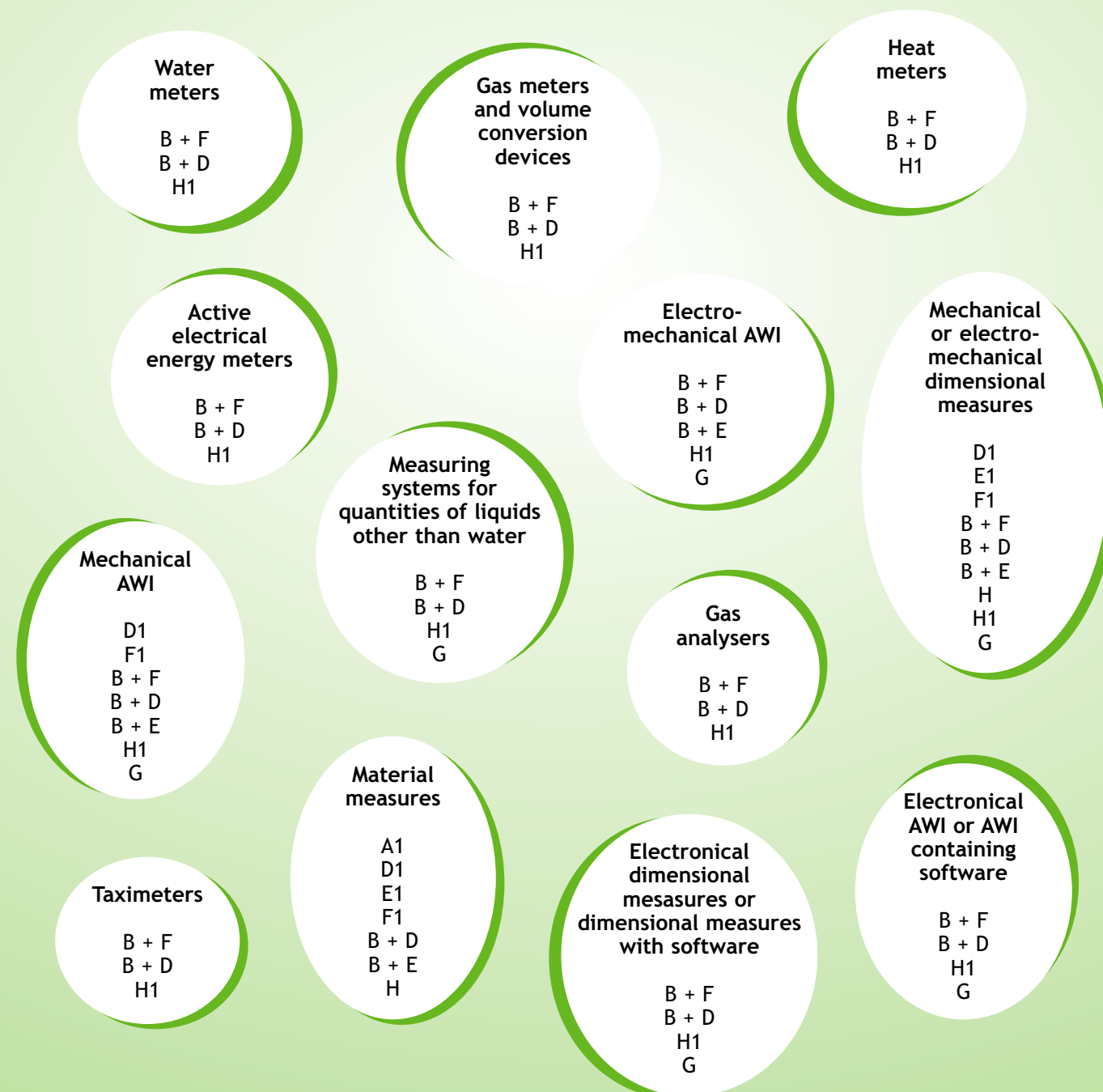
Certificates issued in accordance with the MID are valid throughout the European Union.

INSTRUMENTS CONCERNED

- Water meters
- Gas meters and volume conversion devices
- Active electrical energy meters
- Heat meters
- Systems for continuous and dynamic measurement of quantities of liquids other than water
- Automatic weighing instruments (AWI)
- Taximeters
- Material measures
- Dimensional measuring instruments
- Exhaust gas analysers

- Module A1
- Module B
- Modules D (et D1)
- Modules E (et E1)
- Modules F (et F1)
- Module G
- Module H (et H1)

- Internal production control plus product testing by a notified body
- Type examination
- Quality assurance of the production process
- Quality assurance of final product inspection and testing
- Product verification
- Unit verification
- Full quality assurance



- Manufacturers are responsible for ensuring the conformity of their measuring instruments when they are placed on the market:
 - Whichever procedure they choose, they assume responsibility for the design and manufacture of their products.
 - By affixing the CE mark and providing a conformity declaration, they guarantee that a measuring instrument has been designed and manufactured in accordance with essential requirements.
- Manufacturers of measuring instruments must:
 - check that the instrument concerned is covered by the Directive,
 - determine which essential requirements apply to the instrument,
 - choose a conformity assessment procedure,
 - assemble all the technical documents required by the notified body,
 - obtain the required product certification and/or quality system certification,
 - affix the statutory marking to their product and provide a conformity declaration,
 - if requested, supply national authorities with all published documents, certificates and declarations.

STATUTORY MARKING

CE marking and supplementary metrological marking are affixed by the manufacturer (or under the manufacturer's responsibility). Marking may be affixed to the instrument during the manufacturing process, if justified.

The supplementary metrological marking appears immediately after the CE marking. It comprises a rectangle containing a capital letter M and the last two digits of the year in which the marking was affixed.

If recommended in the conformity assessment procedure, the notified body's identification number (0071 for LNE) is affixed after the CE marking and supplementary metrological marking.

