

REOTEMP

INSTRUMENTS

PRECISION AND QUALITY FOR HALF A CENTURY

CUSTOMER ORDER NO: _____ DATE SHIPPED: _____ QUANTITY SHIPPED: _____

REOTEMP SALES ORDER NO: _____ REOTEMP PART NO: _____

CERTIFICATE OF CONFORMANCE

Certification to NACE MR0175: 2002 applies only to the Checked Box

NOTE: NACE MR0175 was extensively revised in January 2003. A significant change in the standard is that Monel is now no longer listed as an acceptable material of construction for instruments. The paragraphs below of the standard contains the text of the grandfather clause concerning the use of Monel:

Exceptions / Uncontrolled Variables

Para 1.10 "The effect of Changing Requirements of MRO175 on existing equipment"

Para 1.10.2 "The user may replace materials in kind for existing wells or for wells within a given field if the design basis for the equipment has not changed. The user shall verify that the environmental conditions of the field have not changed to dictate the need for new material substitutions and the replacement materials are the same.*

*Environmental limitations shall be determined by the user** who is responsible for operating the equipment that is installed and operated in the field.*

- * "Design change" Reference: Section 2 Definitions MRO175-2003
- ** "User" Reference: Section 2 Definitions MRO175-2003

Under the restrictions of this paragraph the 2003 standard sanctions the continued use of annealed temper Monel, a material listed in the 2002 standard. The end user is responsible for the choice of material therefore the end user can ask for products in Monel specifying their use in conformity to paragraph 1.10.2 of the standard **NACE MR0175**. REOTEMP Instrument Corporation will make no determination regarding the end user's environment or the applicability of Monel as a material for pressure gauges or diaphragm seals.

MONEL PRESSURE GAUGES

We certify that the pressure gauges furnished on the above order comply with **NACE MR0175: 2002** "Sulfide Stress Cracking Resistant Metallic Materials for Oil Field Equipment". The metals exposed to the process fluid are listed and conform to the appropriate hardness requirements. The Bourdon tube is made from annealed temper "K" Monel tubing (UNS # N05500). The socket is Monel 400 rod (UNS # N04400). Representative supplier material analyses are on file and can be furnished on request. See Note above.

MONEL DIAPHRAGM SEALS

We certify that the diaphragm seals containing Monel wetted parts furnished on the above order comply with **NACE MR0175: 2002** "Sulfide Stress Cracking Resistant Metallic Materials for Oil Field Equipment". See Note above.

316 SS GAUGES

The pressure gauges (600 psi and lower) supplied on this order have wetted parts of 316 SS, which is in compliance with **NACE MRO0175: 2002**. The applicability of the NACE standard is the responsibility of the end user.

HASTELLOY C276 DIAPHRAGM SEALS

We certify that the diaphragm seals containing Hastelloy C276 wetted parts furnished on the above order comply with **NACE MR0175: 2003** "Sulfide Stress Cracking Resistant Metallic Materials for Oil Field Equipment". See Note above.

REOTEMP INSTRUMENT CORPORATION

By: _____

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