

(1) EC-TYPE-EXAMINATION CERTIFICATE

- (2) Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere - **Directive 94/9/EC**
- (3) EC-Type-Examination Certificate Number



TÜV 11 ATEX 7130 X

- (4) **Equipment:** Digital Pressure Gauge / Additel 681
- (5) **Manufacturer:** Additel Corporation.
- (6) **Address:** 22865 Savi Ranch Parkway Ste F, Yorba Linda CA 92887, USA

- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Notified Body for ex-protected products of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex130.00/11

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0: 2009

EN 60079-11: 2007

EN 60079-26: 2007

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type-Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:



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TÜV Rheinland ExNB

Cologne, 24th April 2012

Dipl.-Ing. Heinz Farke



(Translation)

This EC-Type-Examination Certificate without signature and stamp shall not be valid.

It may be circulated only without alteration.

Extracts or alterations are subject to approval by the:

TÜV Zertifizierungsstelle für Ex-Schutz-Produkte

TÜV Rheinland Industrie Service GmbH, Am Grauen Stein, 51105 Köln

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(13) Annex

(14) **EC - Type Examination Certificate**
TÜV 11 ATEX 7130 X

(15) Description of equipment:

15.1 Equipment and type:

Digital Pressure Gauge / Additel681

15.2 Description:

The Additel681 is designed to offer a truly compact, cost effective digital pressure gauge to cover a wide range of applications. Besides the pressure measuring function, it can calibrate the standard pressure gauge, precision pressure gauge, industry pressure gauge, blood-pressure meter and other instruments.

The main materials of the enclosure of Additel681 Digital Pressure Gauge are ADC12 aluminium alloy and stainless steel, with seven buttons and liquid-crystal display. The liquid-crystal display is through plastic observation window. The circuit board is packaged in the enclosure. It is powered by 9V alkaline battery.

15.3 Technical Data

U _m :	10 V
Rated Voltage:	9 V (Primary Alkaline Battery)
Rated Current:	3 mA
Operating temperature:	-10 °C to +50 °C
Pressure Range:	0-400 Bar
Accuracy:	±0.05%FS
Overload:	500 Bar
Media:	Liquid

(16) Test Report No. 557/Ex 130.00/11

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(17) Special Conditions for safe use

Avoid impact and drop when used in explosive atmosphere, because some parts of the enclosure are made from aluminium alloy.

Do not replace the battery in a hazardous atmosphere.

Do not connect the RS232 communication cable to Additel681 in a hazardous atmosphere.

Use only the following type-tested batteries:


- GP 9V alkaline cell 1604A
- Panasonic 9V alkaline cell 6LR61 T

(18) Basic Safety and Health Requirements

Fulfilled.

TÜV Rheinland ExNB

Cologne, 24th April 2012


Dipl.-Ing. Heinz Farke



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