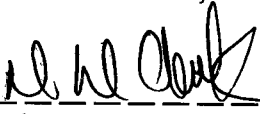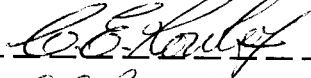**Druck**

PRESSURE MEASUREMENT

**DPI 705
DIGITAL PRESSURE INDICATOR
USER GUIDE
K214**

Prepared by   Bob Lee
Druck Publications Department
Issue Date   25th February 1998

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Publications Dept. Final approval	*Signature:*
	Name: C. E. ROWLEY
	Date: 27/1/98

Druck DPI 705 Digital Pressure Indicator User Guide

Druck

Specification

Accuracy:

Combined non-linearity, hysteresis and repeatability .... ±0.1%FS

Temperature effects: Span .... ±0.02%rdg/°C

Zero .... <= 1 bar ±0.05%FS/°C (absolute ranges only)

.... > 1 bar ±0.02%FS/°C (absolute ranges only)

Maximum safe working pressure .... 2 x FS

Pressure connector .... 6 mm o/d and 4 mm i/d hose or G1/8 female thread

Environmental IP54

Electrical Power Supply .... 3 x 1.5 V alkaline size AA

$C \in$ This pressure indicator meets the essential protection requirements of the relevant EEC directives.

Electrical safety .... BS EN 61010 as applicable

Electromagnetic compatibility .... EN50081-1 (emissions)

.... EN50082-2 (immunity)

Safety

⚠ This symbol, on the pressure indicator, indicates that the user should refer to the user guide or manual.

Pressure   Do not apply pressure greater than the maximum safe working pressure.

Batteries   Remove batteries from the pressure indicator immediately when discharged and before storage.

Dispose of batteries in accordance with local regulations and battery manufacturers' instructions.

When storing and transporting batteries make sure they cannot be short circuited.

Cleaning   Clean the pressure indicator with a damp cloth.

Software Version   This guide contains operating instructions for pressure indicators with software version 1.XX. Further changes to the pressure indicator's software may require a change to the operating instructions and an issue number change of the guide.

Calibration

Refer to the Calibration Instructions Druck publication K215 or contact the nearest Druck Subsidiary or Agent.

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Druck DPI 705 User Guide

Display Symbols

🔋	Batteries are low, replace observing polarity shown on case	≈	Filter applied (10 reading rolling average)
▲	Displayed reading - maximum value	**TARE**	Tare applied
▼	Displayed reading - minimum value	**A** (flashing)	Alarm - pressure value more than alarm setting
⊕	Displayed reading - leakage (per minute)	⊕	Leak test in progress (count down)

Switch Tare on or off (changes the display reading to zero)

Change units (1 of 16 pressure units, °C or °F)

Switch filter on or off

View maximum, minimum or perform leak test (max/min is reset at switch on)

Switch on or off
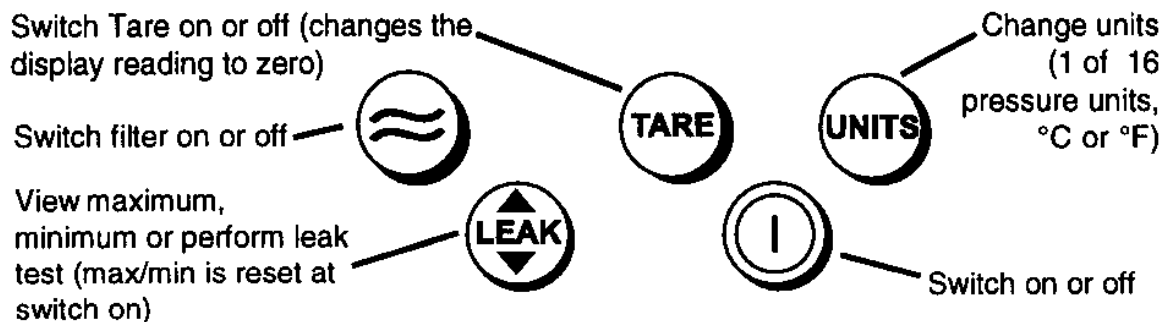
Operation

TIME OUT

If a key is not pressed within 10 minutes then the instrument times out and switches off. To disable this automatic time out, hold the LEAK key when switching on the pressure indicator.

LEAK TEST

To perform a leak test, press the LEAK key 3 times. The ⊕ symbol flashes on the display with the number 60. To start the leak test press the LEAK key again. The instrument counts down 60 seconds displaying the leakage at the end of the 60 second period. Press the LEAK key at any time during the leak test to quit and return to normal measurement.

ZERO

A zero should be performed on gauge and differential instruments before measuring pressure. To perform a zero: Open all pressure ports to atmospheric pressure. Press the ≈ and TARE keys together, the display briefly shows ZERO and the instrument calculates a new zero.

Note: *A zero can only be performed on absolute pressure indicators if a vacuum is first applied to the pressure port.*

Alarm

A single alarm can be set to operate when the displayed pressure value rises above the alarm setting. The alarm causes the display to flash and a beeper to sound for one minute. Pressing TARE and UNITS keys together displays the alarm value, pressing the FILTER key increases the alarm value, pressing the UNITS key decreases the alarm value. When the display shows the required alarm value, press the TARE key to set the alarm.

Print Instructions K214

This publication has been created in PageMaker 6.5 as follows:

shortguide.P65   **K214fp.P65**

Illustrations

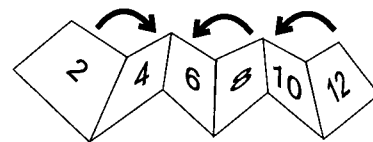**keys.eps**   **time.eps**   **clock.eps**   **batt.eps**   **filter.eps**

- This document is part of the six-lingual publication for the world market, comprising English (this document), French, German, Italian, Spanish and Portugese.

- This document is to be printed in black and PMS 313 on white, as supplied on disk.

- Paper to 285 gsm matt art - laminated.

- Folded - as detailed below:

1	3	5	7	9	11

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2	4	6	8	10	12

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