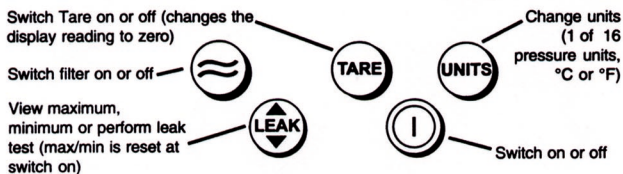




DPI 705 User Guide

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		Alarm - pressure value more than alarm setting (flashing)
	Displayed reading - leakage (per minute)		Leak test in progress (count down)



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.

DPI 705 User Guide

Specification

Accuracy:	
Combined non-linearity, hysteresis and repeatability	±0.1% full-scale
Temperature:	
Operating range	15°F to 120°F
Storage range	-5°F to 140°F
Maximum safe working pressure	2 x full-scale
Pressure connector	1/8" NPT female
Maximum torque	to be advised
Environmental	NEMA 12 (IP54)
Electrical power supply	3 x 1.5 V alkaline size AA
Please consult the data sheet for additional specification.	



This instrument meets the essential protection requirements of the relevant EEC directives.

Electrical safety	EN 61010 as applicable
Electromagnetic compatibility	EN50081-1 (emissions)
	EN50082-2 (immunity)

Safety



This symbol, on the instrument, 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 instrument 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 short circuit.
Cleaning	Clean the instrument with a damp cloth.

Software Version

This guide contains operating instructions for instruments with software version 1.XX. Further changes to the instrument's software may require a change to the operating instructions and an issue number change to this guide.

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It is the policy of OMEGA to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.

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WARNING: These products are not designed for use in, and should not be used for, patient connected applications.

MADE IN**USA****WARRANTY/DISCLAIMER**

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

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RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. **BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS).** The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available **BEFORE** contacting OMEGA:

1. P.O. number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available **BEFORE** contacting OMEGA:

1. P.O. number to cover the COST of the repair,
2. Model and serial number of product, and
3. Repair instructions and/or specific problems relative to the product.

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