

TruTorque's ATG Series Torque Indicator*

General Description: A highly accurate, reliable torque indicating tool to measure output torque of positive displacement hydraulic motors. A common application is monitoring installation torque of helical anchors and helical piling commonly used in the electrical utility and general construction industry. Differential pressure ranges up to 15,000 psid.

Applications

- To measure torque
- To measure hydraulic motor pressure drop (differential pressure).
- Suitable in corrosive environments for aggressive gaseous and liquid media.
- Measurement of helical anchor and helical piling installation torque
- Any application where hydraulic motor and/or equipment torque must be measured

Features

- Torque indication via subtracting movement.
- With Silicone M50 case filling suitable for ambient temperatures -40°F to 140°F
- All welded construction
- Ranges starting from 10 psi up to 15,000 psi
- Faceplates customized to your equipment and application
- Quick mounting on your construction equipment with the VersaMount system



ATG Torque Indicator*

Gauge Details

Design

Two independently functioning measuring systems, Pressure entry parallel behind each other.

Nominal Size

4" (100 mm)

Accuracy

$\pm 1.6\%$ of full scale

Differential Pressure Ranges

From 0/10 psi up to 0/15,000 psi.

Please select your DP range based on the highest possible working pressure. The maximum working pressure may not exceed full scale!

When ordering please provide the following information:

- a) Maximum working pressure
- b) Preferred Differential Pressure Range

Overpressure Range

Static:	Full scale
Dynamic:	90% x of full scale value
Short time:	130% of full scale value

Operating Temperatures

Ambient:	$-40 \dots +140^{\circ}\text{F}$
Media:	$+212^{\circ}\text{F}$

Temperature Error

Additional error when temperature changes from the reference temperature of 68°F (20°C):
Approx. $\pm 1.5\%$ of full scale value per 100°F (55.5°C) rising or falling.

Weather Protection

IP 65 (EN 60 529 / IEC 529) or NEMA 4X

Standard Features

Pressure Ports

316 stainless steel
2 x 1/4"NPT male thread,
wrench size 22 mm
High pressure port (+) up
front, low pressure port (-
) parallel behind
(stamped on connection
with + & -)

Bourdon Tubes

316 stainless steel, C-
Shape for ranges < 1500
psi
316 stainless steel,
Coiled, for ranges > 1000
psi

Movement

Copper alloy

Dial

Aluminum white with
black markings

Pointer

Aluminum black

Case / Bayonet Bezel

304 stainless steel

Window

Laminated safety glass

Mounting

The kit comes with
mounting bracket and
accessories that provide
mounting options for your
equipment

Available Options

- Different process connections
- Movement in stainless steel
- Electrical alarm contacts



ATG Torque Indicator with accessories

Required order information:

Contact TruTorque for further information regarding pricing and ordering. We will assist you with your order to ensure your equipment requirements are met.

Phone: 512-329-2730

Fax: 512-329-2711

Website: www.trutorque.com

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