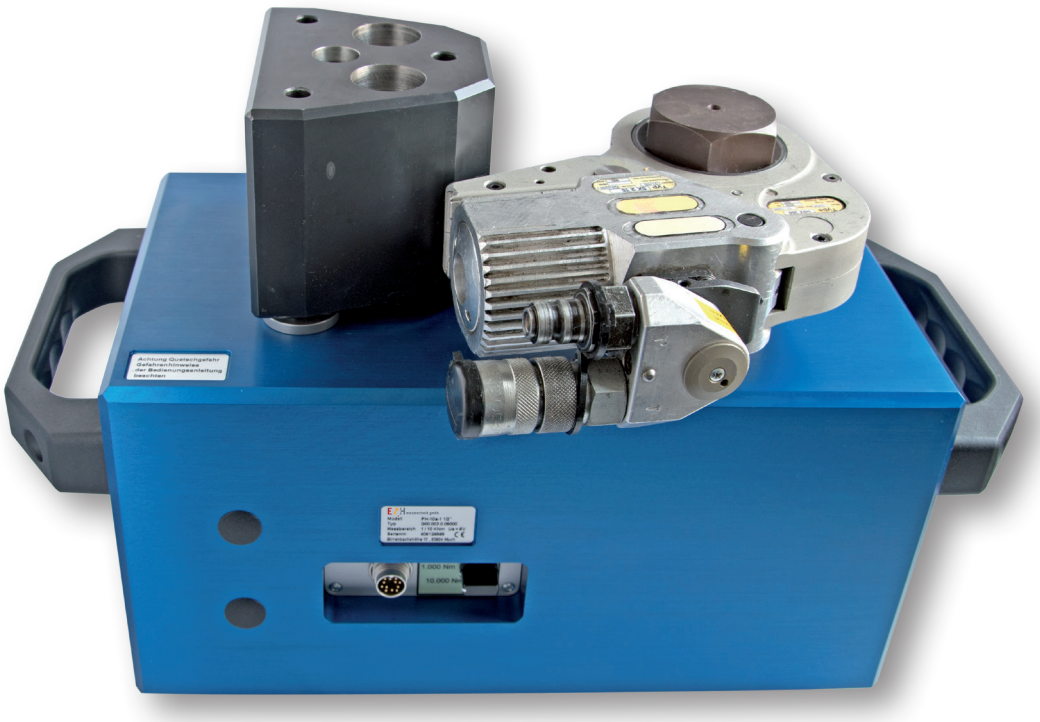
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hagstrasse 10 . D-74417 gschwend
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Datasheet

tourque sensor for Hydraulic Tools

PH

2 Measurement ranges with up to 10 kNm and 20 kNm
switch-over of the measuring range



delivery without test object, adapter or counterpart

Features

- adjusting and testing tools before screwing
- inspection as per DIN EN ISO 9000ff
- Create torque tables with evaluation device GMV2
- Create torque and pressure tables with evaluationunit ValueMaster$_{base}$
- portable test bench

The PH torque sensor makes it easy to preset hydraulic tools, create torque tables or check the power range of the tool.
Together with the evaluation device GMV2, the determined torque values can be displayed and documented.
In combination with the ValueMaster$_{base}$ evaluation device, torque values and (optionally with pressure sensor) pressure values can be documented.
The integrated chip in the GMV2 recognizes the measuring range and checks the parameter set setting.

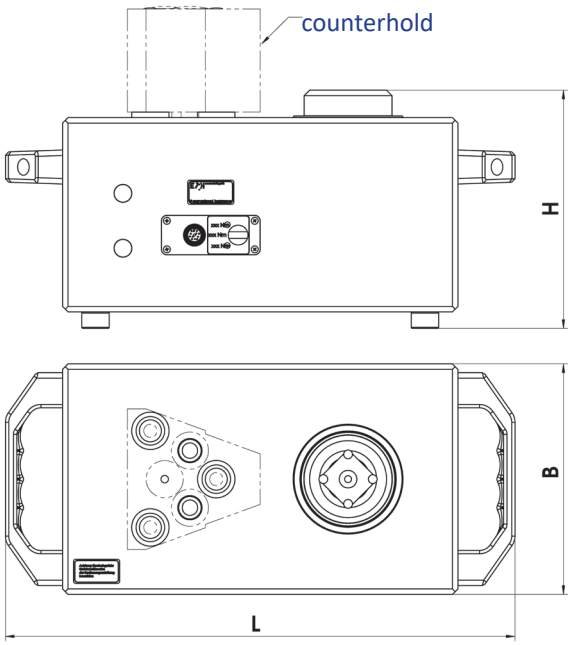
Tools with a connecting square according to DIN 3121 can be attached directly.
We supply the required adapters for adapting the various tools.
Various adapters are available on request for tools with a hexagonal drive.

Elektrische Daten PH

Supply voltage:	12V DC ± 10 %
Power consumption:	60 - 100 mA
Output signal:	0 bis ± 5 V
Error for Nonlinearity:	< 0,5 %
Error for Hysteresis:	< 0,1 %
Deviation at zero point:	≤ ± 100 mV
Compensated temperature range:	5 - 45 °C
Operating temperature:	0 - 60 °C
Temperature error	
Zero point:	0,02 % / K
Sensitivity:	0,01 % / K
Mechanical overload:	50 %
Internal protection:	IP40
Connection:	12pol. Einbaustecker
Calibration: Factory certificate in 25 % steps cw. Special calibration on request.	

Mechanical Dimensions PH

torque ranges (0 - ...) [kNm]	10	20
dimensions: [mm]	(general tolerances DIN 2768-m)	
L	464	571
B	210	250
H	259	374
weight approx. [kg]	41	90
square socket:	1 ½“	2 ½“
counterhold (Accesory):	can be customized	



Ordering code

PH- ■ - ■

⇨ a = active

⇨ measuring range* (kNm)

* other measuring ranges and measuring range switches on request

Available accessories

- adapter
- counterhold
- ETH-Measurement cable
- evaluation devices: GMV2
  ValueMaster$_{base}$