

# Contact transmission + Hexagonal coupling Quick action chuck



## Séries -CPMT

Réf : F FP 3510

Rev :

## DESCRIPTION

### Applications:

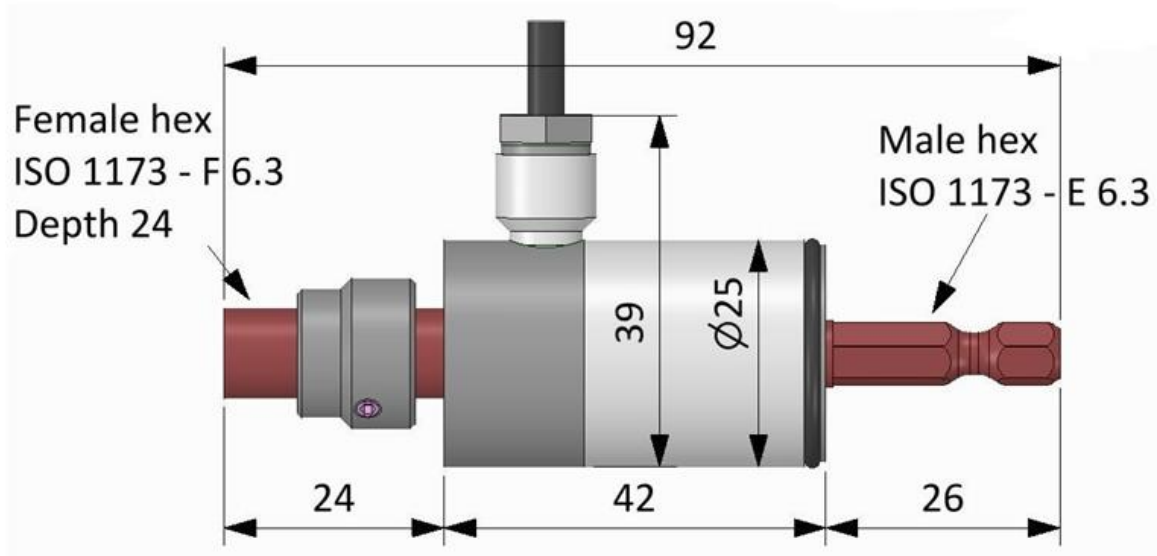
On line measurement of a direct torque through screwers for screws tightening.

Calibration of electrical or pneumatic screwers

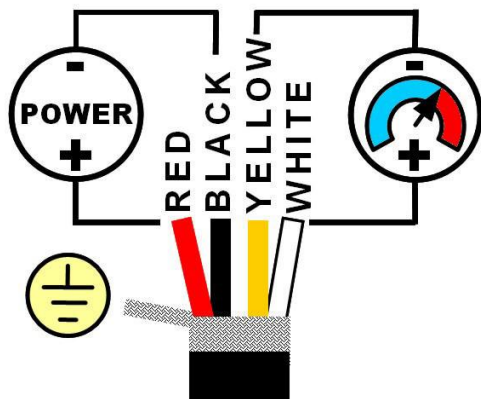
## TECHNICAL DATA

NOMINAL TORQUE	5 Nm	10 - 25 Nm
LINEARITY and HYSTERESIS	≤ ± 0.020 %	
TEMPERATURE EFFECT (1°C):		
a) on zero	≤ ± 0.02 %	
b) on sensitivity	≤ ± 0.02 %	
NOMINAL SENSITIVITY	1mV/V	2mV/V
SENSIVITY TOLERANCE	≤ ± 0.2 %	≤ ± 0.2 %
NOMINAL POWER SUPPLY	1-15V	
MAX. POWER SUPPLY	18V	
INPUT RESISTANCE	430 ± 20Ω	
OUTPUT RESISTANCE	350 ± 5Ω	
INSULATION RESISTANCE	>2 GΩ	
ZERO BALANCE	≤ ± 0.5 %	
LIMIT MECHANICAL VALUES:		
a) service torque	100 %	
b) max. permissible torque	150 %	
c) breaking torque	>300 %	
d) highly dynamic torque	70 %	
e) nominal speed	400 rpm	
REFERENCE TEMPERATURE	+23 °C	
WORKING TEMPERATURE RANGE	-10 / +70 °C	
STORAGE TEMPERATURE RANGE	-20 / +80 °C	
PROTECTION CLASS (EN60529)	IP40	
SENSOR EXECUTION MATERIAL	Stainless Steel	
CASE EXECUTION MATERIAL	Aluminium	
ELECTRICAL CONNECTION	3 m	
PROCESS COUPLING	Hexagonal Quick action chuck	

## DIMENSIONS



## ELECTRICAL CONNECTIONS



PVC 105°C shielded cable,  $\varnothing$  5.2mm with 4 tinned  $\varnothing 0.35\text{mm}^2$  conductors

## CONTACT

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