

CPMT Series

Contact transmission + Hexagonal coupling
Quick action chuck

Réf : FP 3510

Rev :



DESCRIPTION

Applications:

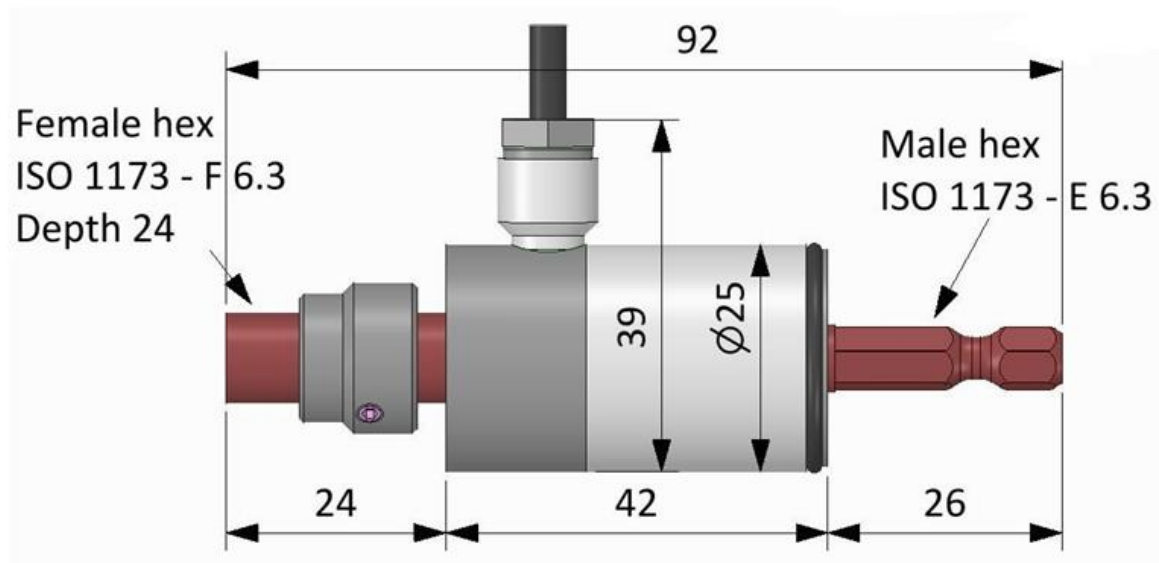
On line measurement of a direct torque through screwers for screws tightening.

Calibration of electrical or pneumatic screwers

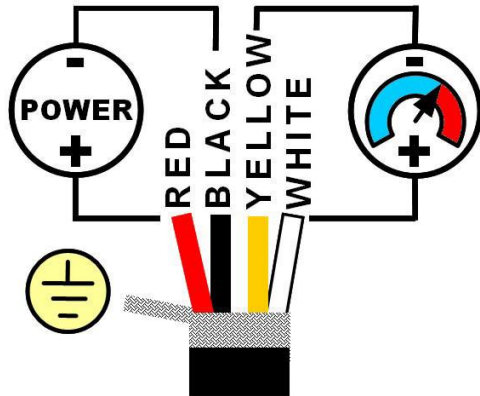
TECHNICAL CHARACTERISTICS

NOMINAL TORQUE	5 Nm	10 - 25 Nm
LINEARITY and HYSTERESIS	$\leq \pm 0.020 \%$	
TEMPERATURE EFFECT (1°C):		
a) on zero	$\leq \pm 0.02 \%$	
b) on sensitivity	$\leq \pm 0.02 \%$	
NOMINAL SENSITIVITY	1mV/V	2mV/V
SENSIVITY TOLERANCE	$\leq \pm 0.2 \%$	$\leq \pm 0.2 \%$
NOMINAL POWER SUPPLY	1-15V	
MAX. POWER SUPPLY	18V	
INPUT RESISTANCE	$430 \pm 20 \Omega$	
OUTPUT RESISTANCE	$350 \pm 5 \Omega$	
INSULATION RESISTANCE	$> 2 \text{ G}\Omega$	
ZERO BALANCE	$\leq \pm 0.5 \%$	
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	$+23 \text{ }^{\circ}\text{C}$	
WORKING TEMPERATURE RANGE	$-10 / +70 \text{ }^{\circ}\text{C}$	
STORAGE TEMPERATURE RANGE	$-20 / +80 \text{ }^{\circ}\text{C}$	
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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