



# T20 LOADCELL



## FEATURES



- Protection Class: IP68
- Completely LASER welded
- Long term high stability



- For dynamic applications
- Option: II 2 D Ex ibD 21 T70°C
- Certificate: TÜV 06 ATEX 553026 X



C2S:	CODE		ACCESSORIES (optional):	H
5, 7.5, 10 t	CGP419.5T	①	Zinc-plated shackles	~434
15, 20 t*	CGP4117T	①	Zinc-plated shackles	~566

- Security coefficient 5

\* Shackles cannot be supplied with security coefficient 5 for 20t load

## DIMENSIONS (mm)

CODE (Class C2)	CODE (Class C3)	LOAD	A	B	Ø C	D	E	*F	G
CT205TC25	CT205TC35	5 t							
CT207T5C25	CT207T5C35	7.5 t	200	45	76	130	35	33	103
CT2010TC25	CT2010TC35	10 t							
CT2015TC25	CT2015TC35	15 t							
CT2020TC25	CT2020TC35	20 t	250	54	82	156	47	42.5	109

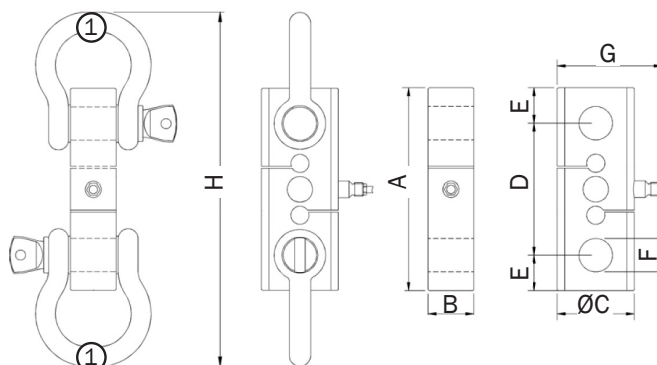
\* Connection holes for standard shackles

## ELECTRICAL CONNECTIONS

PVC 105°C shielded cable, Ø 5.2 mm with 4 tinned Ø0.35mm<sup>2</sup> conductors.

DYNAMOMETER	OUTPUT	CABLE
	EXCITATION +	Red
	EXCITATION -	Black
	OUTPUT +	White
	OUTPUT -	Yellow
	-----	Shield*

\* Connected to the body of the load cell



## TECHNICAL DATA

Accuracy class: OIML R60	C2	C3
Legal Divisions	2000	3000
Nominal load (E max.)	5 - 7.5 - 10 - 15 - 20 t	
Minimum Verification Interval ( V Min)	E Max /10000	
Combined Error	≤ ±0.023%	≤ ±0.019%
Non Repeatability	≤ ±0.014%	≤ ±0.011%
Zero Return over 30 min.	≤ ±0.030%	≤ ±0.013%
Creep at nominal load		
a) over 30 min.	≤ ±0.024%	≤ ±0.014%
b) over 20 and 30 min.	≤ ±0.011%	≤ ±0.008%
Temperature Effect (10 °C)		
a) On Zero	≤ ±0.028%	≤ ±0.016%
b) On Sensitivity	≤ ±0.08%	≤ ±0.008%
Nominal Sensitivity	2mV/V	
Sensitivity Tolerance	≤ ±0.1% F	
Input Resistance	420 ± 20 Ω	
Output Resistance	352 ± 2 Ω	
Insulation Resistance	> 5 GΩ	
Zero Balance	≤ ± 1%	
Recommended Supply Voltage	10 V	
Nominal Load	1-15 V	
Maximum Supply Voltage	18 V	
Mechanical Limit Values Referred To Nominal Load:		
a) Minimum Load	0%	
b) Service Load	120%	
c) Max Permissible Load	150%	
d) Breaking Load	>300%	
e) Max Transverse Load	100%	
f) Max Permissible Dynamic load	50%	
Displacement At Nominal Load	0.3 mm	
Reference Temperature	+23°C	
Temperature Nominal Range	-10/+40 °C	
Service Temperature	-20/+70 °C	
Storage Temperature	-20/+80 °C	
Weight	~ 4.4 kg ~ 7.0 kg	
Protection Class (En 60529)	IP68 (100h at 1m water column)	
Execution Material	Stainless Steel	
Cable Length	5m	

- Acceleration of gravity  $g = 9.80434 \text{ m/S}^2$

### ACCESSORY:

WIMOD  
Wireless  
Transmission

