

## S-Type Stainless Steel Load Cell

#### **FEATURES**

- Capacity range: 500-5000 kg
- · Stainless steel construction
- Sealed by welding to IP68
- S-type design for use in tension and compression
- OIML approved to 3000d (500–5000 kg)
- NTEP approved to 5000d (500-2000 kg)
- Choice of mounting threads metric or unified systems
- 6-Wire cable (sense circuit)
- Optional
  - o EEx ia IIC T6-ATEX hazardous area approval
  - o Class I, II, III Division 1 FM hazardous area approval

#### **APPLICATIONS**

- · Hopper (tank Weighing)
- Hybrid scales
- · Belt weighing
- · Lever arm conversions
- · Material testing machines
- · Vibrations filling equipment
- Dynamometers

#### **DESCRIPTION**

Model 620 is a stainless steel S-type load cell. Its welded sealing combined with high accuracy, make this load cell ideally suited for a wide range of applications of process weighing and force measurements.









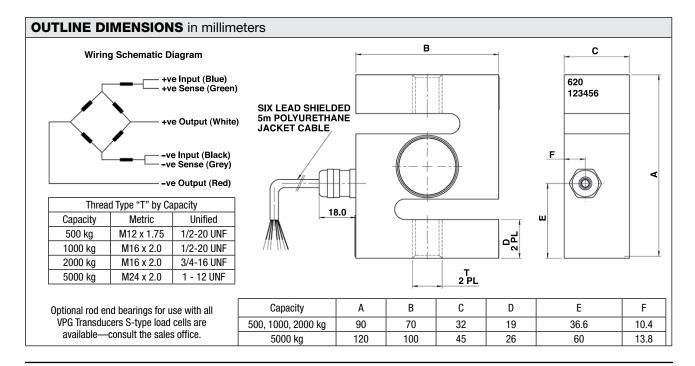


Approvals include OIML C3 (3000d); NTEP 3000d single and NTEP 5000d multiple.

Also available are versions approved for hazardous areas—ATEX II 1 GD EEx ia T6 for Europe and FM I, II, III Division 1 for the USA.

The six-wire cable includes two sense wires that compensate for changes in lead resistance due to temperature changes and cable extension.

Model 620 offers a choice of bolt threads in metric or unified systems; see table below.



Document No.: 12059

Revision: 25-Jul-2012 www.maple-scales.ca

# Tedea-Huntleigh



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SPECIFICATIONS					
PARAMETER	VALUE				UNIT
Rated capacity—R.C. (E <sub>max</sub> )	500, 1000, 2000, 5000*				kg
NTEP/OIML accuracy class	NTEP	Non-Approved	C2/50	C3/50	
Maximum no. of intervals (n)	Class IIIL	1000	2000*	OIML 3000	
$Y = E_{max}/V_{min}$	5000	2000	4000	6000	
Rated output—R.O.	2.0				mV/V
Rated output tolerance	0.0035				±mV/V
Zero balance	0.04				±mV/V
Total error (per OIML R60)	0.0200	0.0500	0.0300	0.0200	±% of R.O.
Zero return, 30 min.	0.0250	0.0500	0.0250	0.0170	±% of applied load
Temperature effect on zero	(0.0010)	0.0070	0.0020	0.0023	±% of R.O./°C (/°F)
Temperature effect on output	(8000.0)	0.0400	0.0014	0.0012	±% of applied load/°C (/°F)
Temperature range, compensated	–10 to +40				°C
Temperature range, safe	−30 to +90				°C
Maximum safe static overload	150				% of R.C.
Excitation, recommended	10				VDC or VAC RMS
Excitation, maximum	15				VDC or VAC RMS
Input impedance	400±20				Ω
Output impedance	350±3				Ω
Insulation resistance	>5000				ΜΩ
Construction	Stainless steel				
Environmental protection	IP68				

<sup>\* 5000</sup> kg capacity is not approved by NTEP

All specifications subject to change without notice.







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