

Technical description

The design of the TEMA System 100 allows the control of static and dynamic pressures as well as vacuums. With the integrated self-venting device (as standard), it is easy to evacuate any air bubbles.

This guarantees an accurate display of the measured value, especially with dynamic pressures. The measuring nipples are available with various connection options. They have very small dimensions and can thus be fitted very easily to the equipment.

Thanks to the design and choice of materials, the nipples are maintenance-free. The measuring device with the pressure gauge is fitted with a TEMA quick connect coupling. This guarantees coupling to the

measuring nipples in a matter of seconds. With the shut-off device in the plug and in the body of the coupling, the TEMA System 100 allows a dry break, during coupling as well as during uncoupling. For measuring at a distance, a flexible extension cable is available; this can be coupled between the measuring nipple and the measuring system. Thanks to its wide range of connections, the TEMA System 100 is a versatile and flexible measuring system.

Maximum working pressure
 Measuring nipple T120: 40 MPa (400 bar)
 Other parts: 60 MPa (600 bar)



Complete Hydraulics Set

TEMA System 100

Description	Part Number	DS	
The TEMA System 100 Complete Set is delivered in a plastic case and contains the following parts: 1 piece measuring handle T101-2 and pressure gauge of your choice* 1 piece measuring nipple T120 1 piece measuring cable T130, length 2.5 m, complete 1 piece adapter T135, G 1/4" IG x G 1/8" AG 1 piece adapter T136, G 1/8" IG x G 1/4" AG In the measuring case there is additional room for two further pressure gauges as well as an adapter T139. If two pressure gauges are required, the part number is, for example, T106-13 (Complete Set with one pressure gauge 0-100 bar and one pressure gauge 0-40 bar). * If measuring handle T101-21A is required instead of T101-2, this must be added to the order.	Complete set not including pressure gauge	T101	<input type="checkbox"/>
	Complete set with 1 pressure gauge -1 to 1.5 bar	T104	<input type="checkbox"/>
	Complete set with 1 pressure gauge -1 to 15 bar	T105	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 10 bar	T110	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 16 bar	T111	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 25 bar	T112	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 40 bar	T113	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 60 bar	T114	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 100 bar	T106	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 250 bar	T107	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 400 bar	T108	<input type="checkbox"/>
	Complete set with 1 pressure gauge 0 to 600 bar	T109	<input type="checkbox"/>

Additional Equipment/Pneumatics

TEMA System 100

Description	L mm	G mm	Wrench size	Weight g	Max. working pressure bar	Part Number	DS
1 Measuring nipple	36	G 1/8"	15	20	20	T11410 MN-125	<input type="checkbox"/>
1 Coupling	37	G 1/8"	15	40	50	T1100 N	<input type="checkbox"/>
Pressure gauge: see Page 423.							

DS = Delivery Status: in stock on short call medium term delivery