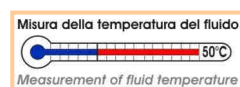


**RECHARGEABLE****SWITCH TEST (option)****Data Logger**
max. 60,000 measures**Linearità - Isteresi**
≤ ± 0.20%
Linearity - Hysteresis

LAT N° 093
Calibration Centre
The products are NOT
covered by accreditation

Certificato di Taratura ACCREDIA
A RICHIESTA

ACCREDIA Calibration Certificate
ON REQUEST

The digital gauge JET series are made according to the more modern technologies in order to assure an high level of reliability, versatility and inexpensiveness at the same time.

Its main applications develop in industrial fields where it is necessary to check processes or in field, with a precision class better than 0.20%.

To increase the practicality and make the instrument completely autonomous, the pressure gauge is power supplied by an internal Li-Ion rechargerable battery. The battery can be recharged directly by an USB port or by using a dedicated power supply.

In the programming menu, reachable through the keyboard, it is possible to adjust different functions such as: digital filter that allows to maintain the measurement steady even in presence of unsteady pressures, the display resolution which allows to increase the measurement at fixed steps (1, 2, 5, 10) and the measurement unit which can be changed into mbar, bar, kPa, MPa, psi, kg/cm², mHg, mmHg, mH₂O & mmH₂O.

Communication via the USB port and wireless (optional) and the functionality of Data Logger makes it particularly suitable for applications where it is necessary to elaborate on the PC the acquired measurements. The sensor, entirely executed in stainless steel, is monolithic to ensure a long term high stability even in presence of highly dynamic pressures.

By selecting the reading of the TEMPERATURE you can see, on display, the temperature of the fluid that is in contact with the pressure sensor.

Main features:

- NORMALIZED PRESSURE FROM **100 mbar TO 2000 bar**.
- PROGRAMMABLE RESOLUTION, DIGITAL FILTER and BAUD RATE
- ZERO and PEAK (Active in PRESSURE and VACUUM) functions.
- USB SERIAL OUTPUT.
- DATA LOGGER.
- DISPLAY BACK LIGHT.
- Measure of TEMPERATURE.
- KEY BLOCK function.
- ANALOG PRESSURE INDICATION ALWAYS ACTIVE (Bar Graph).
- **Wireless** TRANSMISSION OF THE MEASURE (on request).
- PRESSURE SWITCH TEST (on request).
- VACUUM Calibration (on request).

Main characteristics:

ACCURACY (linearity and hysteresis)	$\leq \pm 0.20 \% \text{ F.S.}$
ABSOLUTE PRESSURE (A) Zero at pressure to absolute vacuum.	1 – 2.5 – 5 – 10 bar
RELATIVE PRESSURE (R) Zero at atmospheric pressure.	100 – 250 - 500 mbar 1 - 2.5 – 5 – 10 – 20 – 50 – 100 – 250 bar 350 – 500 – 700 – 1000 – 1500 - 2000 bar
INTERNAL RESOLUTION READINGS PER SECOND (0 filter)	65.000 div. 10 (100ms)
TEMPERATURE INDICATION a) Resolution b) Accuracy	0.1 °C $\pm 1 \text{ }^{\circ}\text{C}$
REFERENCE TEMPERATURE SERVICE TEMPERATURE STORAGE TEMPERATURE	+23 °C -10 / +70 °C -10 / +80 °C
TEMPERATURE EFFECT (1°C) a) on zero b) on sensitivity	$\leq \pm 0.002\%$ $\leq \pm 0.002\%$
DISPLAY BACKLIGHT FUNCTION	13 mm (custom LCD) Programmable from 1s to 60s (0 disabled)
PROGRAMMABLE RESOLUTION USB PROGRAMMABLE BAUD RATE	1, 2, 5, 10 19200, 9600, 4800
ZERO FUNCTION PEAK FUNCTION READINGS PER SECOND	Active up to 100% F.S. Active in PRESSURE and VACUUM 10 (100ms)
PRESSURE MEASUREMENT UNITS	bar – mbar – psi – Mpa – kPa - kg/cm ² mHg – mmHg - mmH ₂ O - mH ₂ O
TEMPERATURE UNITS	°C - °F
DATA LOGGER FUNCTION Max Storing Frequency Max storing pressure measures Max storing pressure+ temperature	1 Measure for second 60.000 Records 30.000 Records
DIGITAL OUTPUT	USB 2.0
POWER SUPPLY AUTONOMY RECHARGE BATTERY TIME RECHERGE	RECHARGEABLE inside BATTERY ~3 Months (Back Light and wireless disabled) Li-Ion 3.7V size 14500 ~ 8 ours (Whit PC or USB power supply)

Main characteristics:

PROCESS COUPLING	1/2" G Maschio
MECHANICAL LIMIT VALUES: a) service pressure b) max. permissible pressure c) breaking pressure d) highly dynamic pressure	100% F.S. 150% F.S. >300% F.S. 75% F.S.
RECOMMENDED GASKET	USIT A 63-18
TIGHTENING WRENCH TIGHTENING TORQUE	27mm 28Nm
PROTECTION CLASS (EN 60529) CASE EXECUTION MATERIAL SENSOR EXECUTION MATERIAL	IP40 INOX 17-4 PH ALLUMINIO

Included accessories:

USB power supply (5VDC @700mA)
USB cable
Carrying case
CD with the User Guide and USB driver



Optionals:

SWITCH TEST to test PRESSURE SWITCH

CONTACT INPUT:
M12 MALE CONNECTOR (5 pins)



CABLE WITH M12 FEMALE CONNECTOR



Wireless TRANSMISSION

RF FREQUENCY: 433MHz
RF TRANSMISSION: 100m in Free Air
MAX DATA TRANSMISSION RATE
10Hz (10 transmission for seconds)

WARNING: With the WIRELESS transmission is
disable the USB serial transmission.



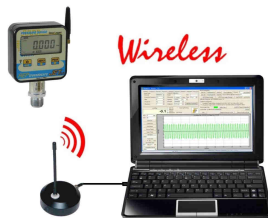
VACUUM RELATIVE pressure	(-0.5..+0.5bar)	(-1..+1bar)
Purchase CODE: TLDMMV	(-1..+2.5bar)	(-1..+5bar)

Wireless Applications:

For wireless communication , you can use up to 5 possible receiving systems:



- 1 Software **WINWIMOD** + RXWIMOD receiver module with USB interface (one per system) suitable for communication with a PC and allows to connect up to 32 JET pressure gauges or other AEP transducers wireless devices.
-



- 2 PC + **RXWIMOD-USB** receiver module with USB interface, with a simple communication protocol and allows a point to point connection with a JET pressure gauge. Solution for customers who want to develop a dedicated software.
-



- 3 **MP2E** + **RXWIMOD-RS232C** receiver module with RS232C interface for a point to point communication with a JET pressure gauge and a remote panel indicator MP2E.
-



- 4 **RXWIMOD-RS232C**: RS232C receiver module for a point to point communication. Solution for those who want to interface the pressure gauge JET with a PLC or other dedicated electronic systems.
-



- 5 **WISTAR handheld receiver** that allows you to connect up to 4 JET pressure gauges simultaneously. Solution for applications where the user can change his workplace.
-



STANDARD indications:

	Nominal Pressure	Display	Resol.	Display	Resol.	Display	Resol.	Display	Resol.	Display	Resol.
TYPE	bar	bar	bar	mbar	mbar	psi	psi	MPa	MPa	kPa	kPa
R	0,1	0,1000	0,0001	100,0	0,1	1,45	0,001	0,01	0,01	10,00	0,01
R	0,25	0,2500	0,0001	250,0	0,1	3,62	0,001	0,025	0,01	25,00	0,01
R	0,5	0,5000	0,0001	500,0	0,1	7,200	0,001	0,05	0,01	50,00	0,01
A - R	1,0	1,000	0,001	1000	1	14,50	0,01	0,100	0,01	100,0	0,1
A - R	2,5	2,500	0,001	2500	1	36,20	0,01	0,250	0,01	250,0	0,1
A - R	5	5,000	0,001	5000	1	72,50	0,01	0,500	0,01	500,0	0,1
A - R	10	10,00	0,01	10000	10	145,0	0,1	1,000	0,001	1000	1
R	20	20,00	0,01	20000	10	290,0	0,1	2,000	0,001	2000	1
R	50	50,00	0,01	50000	10	725,0	0,1	5,000	0,001	5000	1
R	100	100,0	0,1	99900	100	1450	1	10,00	0,01	10000	10
R	250	250,0	0,1	99900	100	3620	1	25,00	0,01	25000	10
R	350	350,0	0,1	99900	100	5000	1	35,00	0,01	35000	10
R	500	500,0	0,1	99900	100	7250	1	50,00	0,01	50000	10
R	700	700,0	0,1	99900	100	10000	1	70,00	0,01	70000	10
R	1000	1000	1	99000	1000	14500	10	100,0	0,1	99900	100
R	1500	1500	1	99000	1000	21700	10	150,0	0,1	99900	100
R	2000	2000	1	99000	1000	29000	10	200,0	0,1	99900	100

Purchase codes:

TJET	Pressure	Full scale			OPTIONS
	R= Relative	0B1	10B	500B	W = Wireless
	⁽¹⁾ A= Absolute	0B2	20B	700B	ST = Switch Test
		0B5	50B	1KB	
		1B	100B	1KB5	
		2B5	250B	2KB	
		5B	350B		

Exsample: **TJETR50BST**

⁽¹⁾ ACCREDIA certification can NOT be performed by LAT n° 93 Laboratory, on request it can be ordered to other Accredited Laboratories.



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AEP transducers


Dasa-Rägi
EN ISO 9001:2008
IQ-1100-01


LAT N° 093
Calibration Centre
The products are NOT
covered by accreditation

ATEX 
Production Quality
Assurance Certified n°
TÜV 06 ATEX 553793 Q

Al fine di migliorare le prestazioni tecniche del prodotto, la società si riserva di apportare variazioni senza preavviso.
In order to improve the technical performances of the product, the company reserves the right to make any change without notice.