



DIGITAL THERMOMETERS

- TEMPERATURE MEASUREMENT of liquids, air, bulk substances, the surface of solid objects
- **MEASUREMENT OF THE RELATIVE HUMIDITY** air



















MAIN APPLICATION AREAS

HEAT AND WATER SUPPLY, POWER ENGINEERING AND REAL ESTATE MANAGEMENT

- Diagnostics of the heat and water supply equipment
- Indoor air temperature and humidity measurement during the maintenance of residential areas for quality control of living conditions
- Ventilation and air conditioning systems temperature control to create the necessary balance
- Temperature and relative humidity control at the workplaces

OIL AND GAS INDUSTRY

- Temperature control of the liquids and air in boreholes
- Temperature measurement during transportation of petroleum products
- Temperature control of liquids, air, viscous fluids and surfaces of compressor stations equipment
- Selective temperature control during technological processes in oil and gas enterprises
- Temperature control of petroleum products at storage facilities, tanks and gas stations
- Dew point temperature calculation

METALLURGICAL INDUSTRY AND METALWORKING

- Fast control of the melt temperature of non-ferrous and ferrous metals
- Application during all technological processes that require temperature and relative humidity control
- Measurement of the components and products temperature by forging or punching during their manufacture
- Temperature and relative humidity measurement at the workplaces

WAREHOUSE STORAGE AND TRANSPORT COMPANIES

- Fast control of the temperature during transportation in order to comply with temperature requirements
- Temperature and humidity control in warehouses to comply with storage conditions
- Temperature control when setting up and checking air conditioning and ventilation systems





CONSTRUCTION AND ROAD INFRASTRUCTURE

- Fast control of asphalt concrete mixture temperature during road construction
- Temperature measurements of raw materials during production of building materials
- Temperature control of hardening concrete during casting of various products
- Temperature control during the capital construction of walls and slabs using monolithic structures



AGRICULTURAL ENTERPRISES

- Quick measurement of the protected soil in greenhouses to maintain the necessary growing conditions
- Selective control of the air temperature and himidity on farms, in greenhouses, storage facilities, refrigerators to control the necessary requirements
- Temperature and humidity control of cultivation, storage, transportation of raw materials and finished products in order to preserve the products quality
- Dew point temperature calculation



FOOD INDUSTRY, SUPERMARKETS AND TRADING COMPANIES

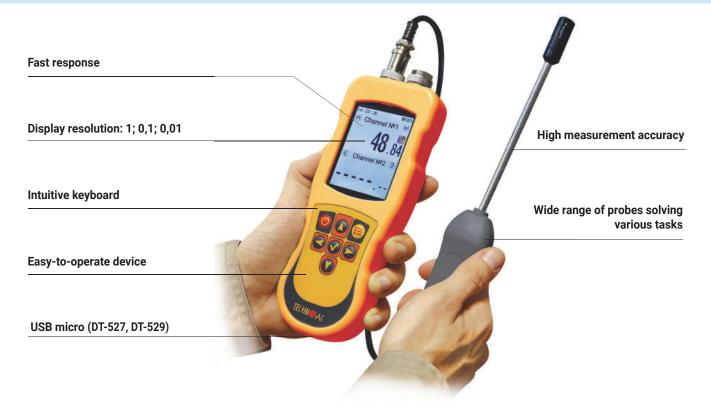
- Temperature and humidity control of the main parameters when cooking in cafes, restaurants, fast food outlets, catering services
- Selective control of temperature and relative humidity during technological processes of drying, cooking, smoking, making bakery and confectionery products, milk processing and control of other processes
- Fast control of food temperature and humidity in supermarket refrigerators and freezers



RESEARCH LABORATORIES AND TESTING CENTERS

- Effective temperature control of gaseous and liquid medium, dry materials, solid objects surfaces
- Microclimate inspection during scientific tests
- Measurement of air mixtures humidity
- Automatic dew point temperature calculation



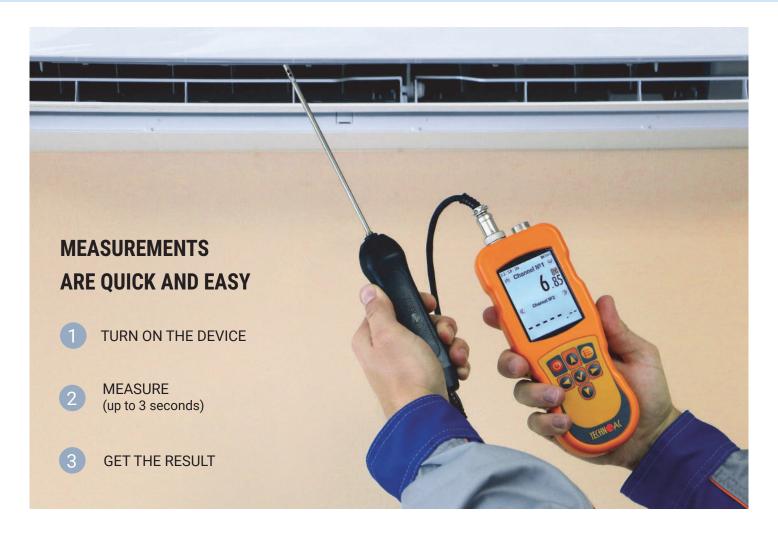


DIGITAL THERMOMETERS											
	WITH NON-REPLA	WITH REPLACEABLE PROBES									
	DT-501P	DT-501S	DT-504	DT-506	DT-509	DT-511	DT-527	DT-529			
CHOOSE THE RIGHT DIGITAL THERMOMETER			230	230	223	23	23.5	753 # 1004 #			
	with a penetration probe	with a surface probe	single- channel	thermo- hygrometer	multi- functional	two-channel	with a memory card	with universal inputs			
Measurement range, °C	-40+200	-20+200	-100+1800 depending on the connected probe								
Measurement range of relative humidity, %	_	_	-	0,1100	0,1100	0,1100	0,1100	0,1100			
Min instrumental error, °C	from 0,5	from 2	from 1	from 0,2	from 0,2	from 0,2	from 0,2	from 0,2			
Resolution, °C	0,1	0,1	0,1	0,1	0,1	0,1	0,01	0,01			
Number of probe types	1	1	26	48	48	48	48	48			
Measurement of the relative humidity				\checkmark	\checkmark	\checkmark	\checkmark	\checkmark			
Displaying min, max, average value				-	\checkmark	\checkmark	\checkmark	\checkmark			
Working simultaneously with two probes				-		\checkmark	\checkmark	\checkmark			
Logging function	=	_	-	-		-	\checkmark	\checkmark			
Color display with the ability to make graphs		-				=	\checkmark	\checkmark			



Connected probes	The article for the order	Appearance	Length L, mm	Measurement range	Application	DT-504	DT-506, DT-509, DT-511, DT-527, DT-529
Penetration probe	PP-150 PP-300 PP-500		150 300 500	-40+200 °C -40+300 °C -40+600 °C	liquids, viscous fluids, dry materials	√	✓
Enforced penetration probe	EPP-150 EPP-300 EPP-500 EPP-1000 EPP-1500		150 300 500 1000 1500	-40+200 °C -40+300 °C -40+600 °C -40+600 °C -40+600 °C	liquids, viscous fluids, dry materials, atmosphere	✓	✓
Liquid penetration probe	LPP-3000+		up to 20 m	-40+200 °C	liquids	✓	√
Viscous fluid penetration probe	VPP-3000		up to 20 m	-40+200 °C	liquids, heavy oil fractions	✓	✓
Thermocouple probe	ТСР			-100+1800°C	thermo- couples of the type K, L, R, S, B	√	✓
Surface probe	SP-150 SP-300 SP-500 SP-1000		150 300 500 1000	-40 +250 °C	solid surfaces	✓	✓
Bent surface probe	BSP-300 BSP-500		300 500	-40 +250 °C	solid hard- to-reach surfaces	√	✓
HT surface probe	HTSP-300 HTSP-500 HTSP-1000		300 500 1000	-40 +500 °C	solid surfaces	√	✓
High-precision surface probe (±0,5°C)	HPSP-150 HPSP-300 HPSP-500		150 300 500	-40 +250 °C	solid surfaces	=	√
Air probe	AP-150 AP-500 AP-1000		150 300 1000	-40 +200 °C -40 +600 °C -40 +600 °C	atmosphere	✓	✓
High-precision air probe (±0,2°C)	HPAP-150		150	-40 +200 °C	atmosphere	-	✓
Portable temperature & humidity probe	РТНР			0,1100% -20+ 85 °C	atmosphere	=	✓
Temperature & humidity probe	THP-150 THP-500 THP-1000		150 500 1000	0,1100% -20 +85°C	atmosphere	-	√
Flexible temperature & humidity probe	FTHP			0,1100% -20 +85°C	atmosphere	-	✓
Atmospheric pressure probe	APP			от 225 до 820	atmosphere	Probe o	only for DT-527, DT-529





USING THESE DEVICES YOU CAN



accuracy, reliability, fast and easy operation allow the devices to be used during various technical processes to solve different tasks



QUICKLY RESOLVE CONTROVERSIAL ISSUES

reports on compliance with technical processes during operation (graphs, tables and etc.) help you to identify violations, evaluate the effectiveness and quality of provided services



PROMPTLY ELIMINATE ACCIDENTS AND MALFUNCTIONS

properly selected devices help you to eliminate emergency situations within the time limits, save time and resources



accurate control of equipment, diagnostics and monitoring facilities and pipelines condition help you to avoid losses and save financial resources

TRUSTED BY PROFESSIONALS



INNOVATIONS



EFFICIENCY



VERSATILITY



HIGH ACCURACY



RELIABILITY







