



ADPMPD/T

Electronic Calculators for Fuel dispensers



The main advantages of the ADPMPD/T calculators are its reliability and high performance, low price and guaranteed quality. The most outstanding features of the calculators are: high flow measurement, integrated Electronic Calibration of meters (EC), Automatic Temperature Compensation (ATC) and the internal vapour recovery control. The calculator controls all functions necessary for the dispenser to operate and no additional electronic modules are needed. The calculator operates in wide temperature range. Flexibility of the calculator is achieved by a set of functional parameters (i.e. required by various national standards and conventions, different dispenser types, adjustable position of the decimal points etc.) ADPMPD/T calculators are approved according to OIML R117-1 and Welmec Guide 10.4.

ADPMPD/T can control fuel dispensing from two dispensing sites. Up to five products can be delivered on both dispensing sites, i.e. the pump calculator can control ten nozzles. The calculator can operate in either a standalone (manual) or communication mode. The calculator primarily uses EASYCALL communication protocol that is implemented in a variety of POSes and forecourt controllers. ADPMPD/T calculator also supports other communication protocols: IFSF, DART, PUMALAN, NARA. Communication according to the IFSF standard requires the PKONV EC-IFSF module.

Wireless service keyboard allows setting of the unit price, parameters, electronic meter calibration or ATC. Access to parameters can be optionally protected by a PIN code, to prevent unauthorised modification.

The calculator is equipped with internal electronic nozzle totals for volume, amount and number of transactions as well as with non-resettable meter volume totals. The internal electronic totals can be displayed on the side displays or read out via the communication line. Optionally, the calculator can be extended with seven-digits electromechanical litre volume totals.

ADPMPD/T-PWM is prepared for proportional valve control. Other parameters are fully compatible with the ADPMPD/T.

ADPMPD/T-SMX is a special software version for high flow fuel dispensers. The Supermax dispenser based on the ADPMPD/T-SMX enables diesel high flow filling 200 L/min. High flow rate is achieved by the parallel connection of meters and pumps. ADPMPD/T-SMX requires slave calculator ADP2/T-SMX.

Features:

- Electronic calculator for multi-grade fuel dispensers for public petrol stations
- Software version for high flow dispensers so called Supermax
- Supported communication protocols: EASYCALL, IFSF, DART, PUMALAN, NARA
- Electronic calibration of meters
- Internal automatic temperature compensation (ATC)
- Errors history
- Monitoring of the dispenser case
- Internal vapour recovery control
- Motor control with thermal fuses
- Wide range of ambient operating temperatures
- Certified according to OIML R117-1, OIML R139, Welmec Guide 10.4.



Technical data:

Power supply	230 VAC \pm 15 %, 50 VA max.
Operating temperature	-40° C až +70° C
Display	LCD, digit height 25,4mm, LED backlight
Communication line	galvanic coupling RS 485
Communication protocols	EasyCall, DART, Pumalan, Nara, IFSF (requires external IFSF module)
Maximum flow	680 l/min
Shaft encoder type	two or three channel, OPEN COLLECTOR outputs, power supply +5 V
Analogue input for the PT100	Sensor PT100 class A acc. to IEC751 temperature range from -30° C to +55° C
Dimensions	263x282x117 mm
Coverage	IP20B

Expand modules:

TOTx/T	Electromechanical litre volume totals. (x – number of counters)
DISPLCD/N-BL/PW	External side display.
PKONV EC-IFSF	IFSF communication interface for the ADP/T calculators. It is also compatible with the ADP1/L, ADP/M and ADP/E calculators. Communication lines: EASYCALL - RS485, 9600Bd; IFSF - FTT-10 (Free Topology Twisted Pair).
PLOG 485	Module converts the RS485 line to the current loop according to the PUMALAN specification. Mounted onto DIN rail 35mm.
KL-SERINF	It enables parameters setting, electronic calibration setting, setting of the ATC, setting of the unit prices and displaying of the electronic totals.
KL-MANINF	It enables setting of unit prices, displaying of the electronic totals.