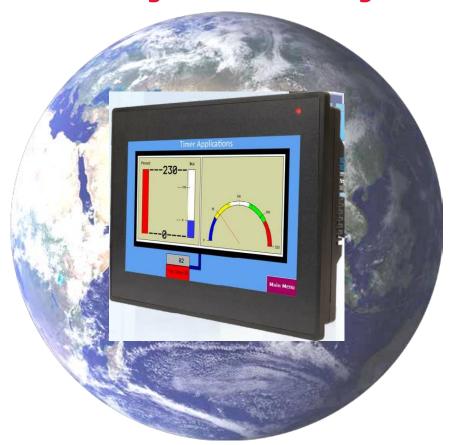




# Eletta-C Display, Data Concentrator, Gateway to Industry 4.0



Eletta Instrumentation India Private Limited Unit 175, Tower - A, The Corenthum, A - 41, Sector - 62, Noida, (UP) 201301. INDIA. Tel | Fax: +91-120-4292444. E: india@eletta.com



## **One Device for Multiple Functions**

Eletta-C is the ideal supplement for all Eletta Flow products that feature a 4-20mA or a Modbus output or even Switching Outputs.

Apart from its function as a local display, Eletta-C can optionally transfer the flow data via WLAN onto portable devices like mobile phones or tablets, or per SMS. So, the user has the flow data or alarms always on hand! And this even without installing an app.

Mount the Eletta-C directly in your machine or read the flow values in the control room. Eletta-C always offers you the right option to read your data on a large clear display.

#### **Technical Data**

Display Standard 7" WVGA colour TFT •

LED

9W

32-bit RISC

up to 128MB

up to 20MB

24VDC (+/-15%)

- Special 4.3" Sized and 10" versions also available
- 300 cd/m<sup>2</sup> Brightness 400 x 800 Pixel
- Resolution
- Backlight
- CPU •
- Memory •
- Data logger
- Power Input
- Power Consumption •
- Working Temperature 0 - 60°C •
- Storage Temperature •
- Rel. Humidity
- Weight •
- Size
- Panel Cut Out
- Protection Class
- Certificates
- -20 +85°C 10 – 95%, non-condensing ca. 200g, without add-on card, modem or housing 186 x 138 x 31 mm (W x H x D)
- 175 x 127mm (W x H)
- IP66 when panel mounted CE, UL Class I Div. 2



### Options

- Housing available in different materials, like ABS, Polycarbonate, PP types of Plastic and Stainless Steel body, for installations in industrial environments, supplied pre-mounted and pre-wired with Eletta-C.
- Modem for connection with WLAN: remote monitoring of flow data or switch status via any wireless device that is connected • with the same WLAN.
- Add-On Card (up to 3/5 per Eletta-C) with:
  - a. 2 analog Input
  - b. 1 analog Outputs
  - (AI, AO for 0-20mA ,4-20mA, 0-5,0-10V) c. 12 DI, Digital Inputs

  - d. 10 DO, Digital Outputs

#### Communication

- COM1 & COM2 •
- RS 232/RS485
- USB B
- 1 for programming

10/100MB/s

- USB Host
- 4-32GB
- Ethernet •

Micro-SD-Card Slot

- Add-On Card Back of the 7" Display ABS or PP bo All parts duly cabled GSM Module Lightening Arrestor Lightening Arrestor for 230 VAC Power Mounted on for 4-20mA input **DIN Rail**
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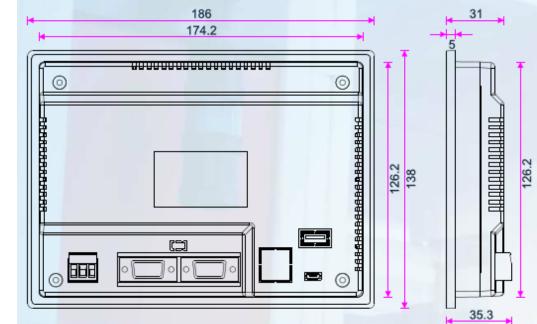


#### **Data Logging**

- Data are collected in the integrated 20MB memory.
- Option: memory extension via SD card.
- Log file can be sent in CSV format:
  - (1) onto USB stick
  - (2) Via USB-B cable or LAN cable directly onto a PC.

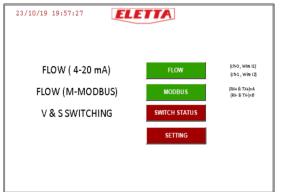
## Dimensions

## Eletta-C

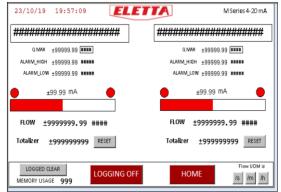


### Software

Start screen: selection of functions



#### Flow reading and totalizer



- The fields marked with hash tags can be edited and you can enter your own designations of flow meters or switches.
- Function as a data concentrator: Eletta-C can show the flow data of up to 4 flow meters.
- Display of numeric values and bar graphs.

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Switch status for V or S Series

## Pressure, Differential Pressure, Temperature and Flow via Modbus (M-Series)

23/10/19 19:57:52	LETTA	M Series Modbus q max ±99999.99	[	23/10/19 19:58:10	ELETTA	V&S Series Switching
P1 P2 DP TEMPERATURE FLOW	±99999999.99 Bar ±9999999.99 Bar ±9999999.99 mBar ±9999999.99 Deg C ±9999999.99 #####					
НОМЕ					НОМЕ	

- Up to 32 Eletta M-Series flow meters can be connected with one Eletta-C.
- With the log function, the viscosity compensation algorithm for oils can be integrated.
- The fields marked with hast tags can be edited and you can enter your own designations of flow meters or switches.
- Display of 2 switch status per connected flow meter: upper and lower limit.
- If the flow reaches the limit, the display changes from green to red optical alarm function.

#### **Eletta-C NE as Webserver**

- Via the Ethernet port, data of the connected flow meters can be transferred:
- Hard-wired integration of the Eletta-C in existing WLAN with fixed IP-address for the internet connection
- Alternatively per optional wireless connection integration into existing WLAN, also with fixed IP address.
- Display of alphanumeric data with any internet browser.
- Remote access from mobile devices outside the WLAN via VPN.
- Advantage: system monitoring independent of the location of the maintenance person in charge!

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Logout ^	ELET	V&S Series Switching								
<u>V&amp;S_SWITCHING_STATUS</u> MODBUS				Logout	^		_			
• 4_TO_20_mA				Webscreens		LETT/		M Series Modbus		
	Switch 1 OFF	Switch 7 OFF		<u>V&amp;S_SWITCHING_STAT</u>	<u>us</u>			Q MAX 500		
	Switch 2 OFF	Switch 8 OFF		• MODBUS						
	Switch 3 OFF	Switch 9 OFF		• <u>4_TO_20_mA</u>						
	Switch 4 OFF	Switch 10 OFF			P1	0	Bar			
					P2	0	Bar			
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