UC-100A Series

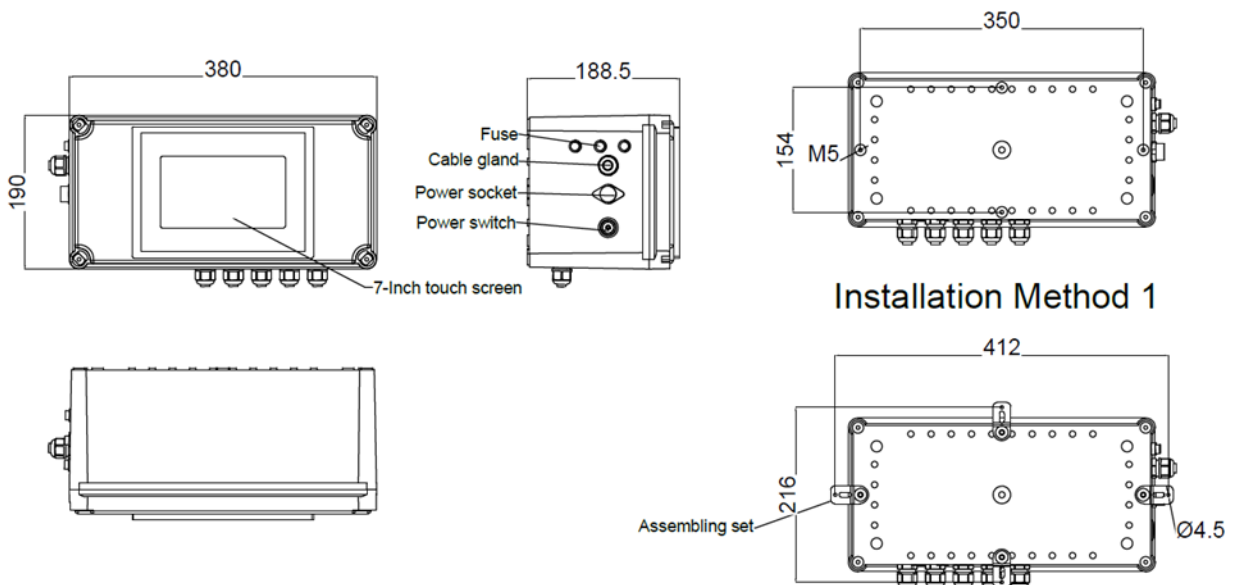## Touch Screen Display and Data Logging Terminal

Product Description

The Pyxis UC-100A is a microprocessor-based touch screen display and data logging terminal that can connect to up to 4 Pyxis sensors via RS-485. The UC-100A will be preconfigured by Pyxis Lab based on the Pyxis sensor utilized and enables rapid deployment and startup. The UC-100A provides live display and historical data trend charts for each sensor input as well as sensor calibration interface while logging data for of all inputs via USB download or transmission via Modbus RTU and/or Modbus TCP. The UC-100A may be installed as a stand-alone device or directly wired to any receiving controller, PLC or DCS network. Users may also purchase UC-100A with integrated Pyxis CloudLink 4G Gateway with or without a prepaid global SIM card, making the UC-100A a comprehensive data gateway to cloud data acquisition and service programs for live mobile visibility, data download and reporting. The UC-100A also comes equipped with two extra 4-20 mA inputs, outputs that can be used to log data from non-Pyxis analog device.

Figure 1
UC-100A Display + Data Logging Terminal

Dimensions (mm)

UC-100A Specifications

Item	UC-100A	UC-100AG	UC-100AGS
P/N	43054	43055	43056
Power	110/220VAC 50/60 Hz, 30W		
Display	7inch - 4 Wire Resistance Color Touch, 800 x 400 Resolution		
Output	2 x 4-20 mA / RS-485 Modbus-RTU / Modbus TCP		
Input	2 x 4-20 mA / RS-485 Modbus		
Relay	None		
Internet	RJ-45 socket, Modbus-TCP		
Data Storage	4G, up to 1 million data entries or events		
USB	1 x USB host, for data downloading and screen upgrade		
Dimension	7.5 inch W x 12 inch L x 7.5 inch H		
Weight	3 kg		
Operation Temperature	$32 - 122^oF$		
Storage Temperature	$14 - 140^oF$		
Humidity	$10 - 90\%$ No Condensation		
Protection	IP65		
Pyxis 4G CloudLink™	NA	Included	Included
CloudLink™ Bands	NA	Global (B1/2/3/4/5/7/12/13/14/20/28/66/7)	
CloudLink™ Protocols	NA	IP/TCP/UDP/HTTP/HTTPS/Modbus	
Prepaid Global SIM Card	NA	NA	1-Year Prepaid Included

Figure 2
Pyxis CloudLink 4G Gateway – Integrated into UC-100AG / UC-100AGS

Order Information   P/N

UC-100A *(UC-100A Display & Data Logging Terminal Standard Unit)*   43054

UC-100AG *(UC-100S with Integrated 4G CloudLink)*   43055

UC-100AGS *(UC-100S with Integrated 4G CloudLink + Global Prepaid SIM Card 1-Year)*   43056

UC-100 Series Light & Rain Shield *(For Outdoor Use)*   22515