

The MTN/5032 features a 5.0 inch TFT touchscreen with an easy-to-navigate menu that enables users to set data sampling periods, alarm threshold levels and delay times on a channel-by-channel basis or across all channels. The system will accept voltage or 4-20mA inputs and can be used to simultaneously monitor velocity, envelope G and temperature. AC outputs are available via door-mounted BNCs for easy analysis and Modbus TCP/IP output for remote monitoring.

MTN/5032

Applications

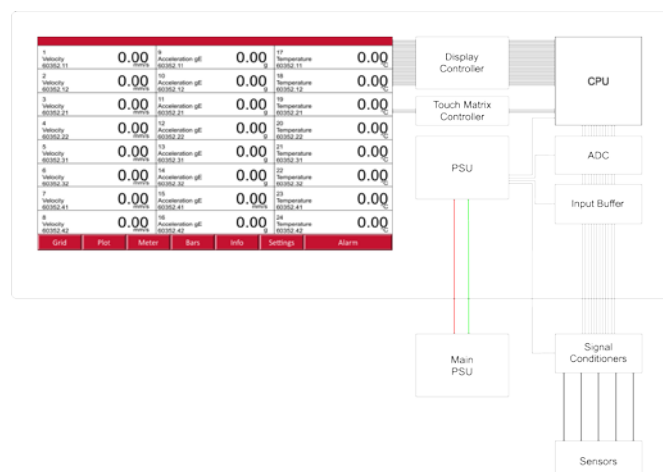
Vibration and temperature monitoring and logging

Technical

Sensors	32
Analogue input channels	96
Sampling resolution	12 bit
Sampling speed	Up to 250KHz
Input range	Dependent on sensor
Screen	7.0" (178mm) TFT Touchscreen 800 x 480 x 24 bit colour
Sample buffer	96 x 100 samples
Operating voltage	100-240VAC
Alarms	96 (user-configurable alarm level and alarm delay).
Enclosure	Stainless steel
Dimensions (enclosure only):	600 x 400 x 210 mm



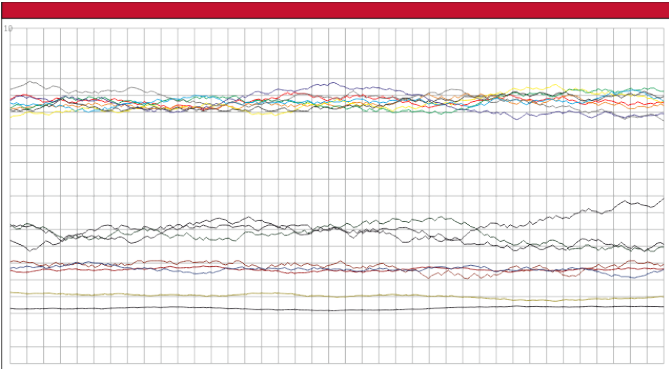
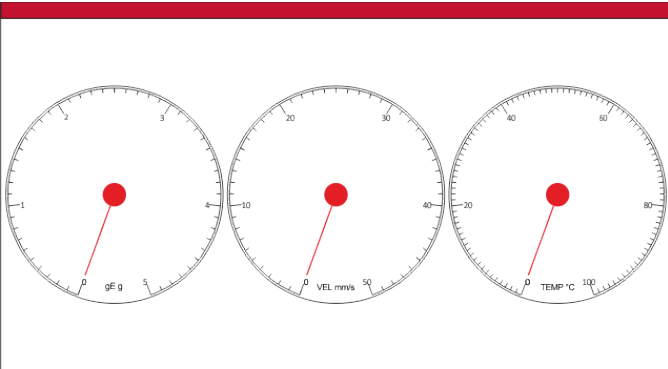
System diagram

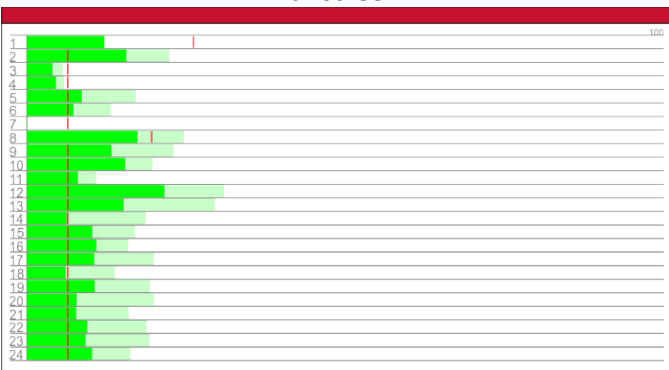


Screenshots

Grid screen				Alarm setting screen			
1 Velocity 60352.11	0.00 mm/s	9 Acceleration gE 60352.11	0.00 g	17 Temperature 60352.11	0.00 °C		
2 Velocity 60352.12	0.00 mm/s	10 Acceleration gE 60352.12	0.00 g	18 Temperature 60352.12	0.00 °C		
3 Velocity 60352.21	0.00 mm/s	11 Acceleration gE 60352.21	0.00 g	19 Temperature 60352.21	0.00 °C		
4 Velocity 60352.22	0.00 mm/s	12 Acceleration gE 60352.22	0.00 g	20 Temperature 60352.22	0.00 °C		
5 Velocity 60352.31	0.00 mm/s	13 Acceleration gE 60352.31	0.00 g	21 Temperature 60352.31	0.00 °C		
6 Velocity 60352.32	0.00 mm/s	14 Acceleration gE 60352.32	0.00 g	22 Temperature 60352.32	0.00 °C		
7 Velocity 60352.41	0.00 mm/s	15 Acceleration gE 60352.41	0.00 mm/s	23 Temperature 60352.41	0.00 °C		
8 Velocity 60352.42	0.00 mm/s	16 Acceleration gE 60352.42	0.00 g	24 Temperature 60352.42	0.00 °C		
Grid	Plot	Meter	Bars	Info	Settings	Alarm	Page

Alarm setting screen							
1: Velocity 60352.11 (0.3VDC = 0.25mm/s)							
Threshold:	10.00 mm/s	Current:	2.90 mm/s				
Delay:	60.0 Sec	Minimum:	2.80 mm/s				
Output:	1	Maximum:	3.00 mm/s				
Buffer:	5 Samples	Places:	1				
Prev			Next				
Grid	Plot	Meter	Bars	Info	Settings	Alarm	Page

Plot screen				Meter screen			
							
Grid	Plot	Meter	Bars	Info	Settings	Alarm	Page

Bar screen				Information screen																													
				<table border="1"> <thead> <tr> <th colspan="2">MONITRAN</th> </tr> </thead> <tbody> <tr> <td>Serial Number</td> <td>MAC address</td> </tr> <tr> <td>507190</td> <td>00-11-22-33-44-55</td> </tr> <tr> <td>Calibrated</td> <td>IP address</td> </tr> <tr> <td>12/08/15</td> <td>192.168.57.100</td> </tr> <tr> <td>Unit ID</td> <td>Port</td> </tr> <tr> <td>001</td> <td>502</td> </tr> <tr> <td>Software</td> <td>Slave ID</td> </tr> <tr> <td>1.1.17</td> <td>2</td> </tr> <tr> <td>System</td> <td>Modbus Registers</td> </tr> <tr> <td>MTN/5000-000</td> <td>40001-40012</td> </tr> <tr> <td>www.monitran.com</td> <td>unsigned integer 16 bit (read)</td> </tr> <tr> <td>info@monitran.com</td> <td>register = screen value x 1000</td> </tr> </tbody> </table>				MONITRAN		Serial Number	MAC address	507190	00-11-22-33-44-55	Calibrated	IP address	12/08/15	192.168.57.100	Unit ID	Port	001	502	Software	Slave ID	1.1.17	2	System	Modbus Registers	MTN/5000-000	40001-40012	www.monitran.com	unsigned integer 16 bit (read)	info@monitran.com	register = screen value x 1000
MONITRAN																																	
Serial Number	MAC address																																
507190	00-11-22-33-44-55																																
Calibrated	IP address																																
12/08/15	192.168.57.100																																
Unit ID	Port																																
001	502																																
Software	Slave ID																																
1.1.17	2																																
System	Modbus Registers																																
MTN/5000-000	40001-40012																																
www.monitran.com	unsigned integer 16 bit (read)																																
info@monitran.com	register = screen value x 1000																																
Grid	Plot	Meter	Bars	Info	Settings	Alarm	Page																										